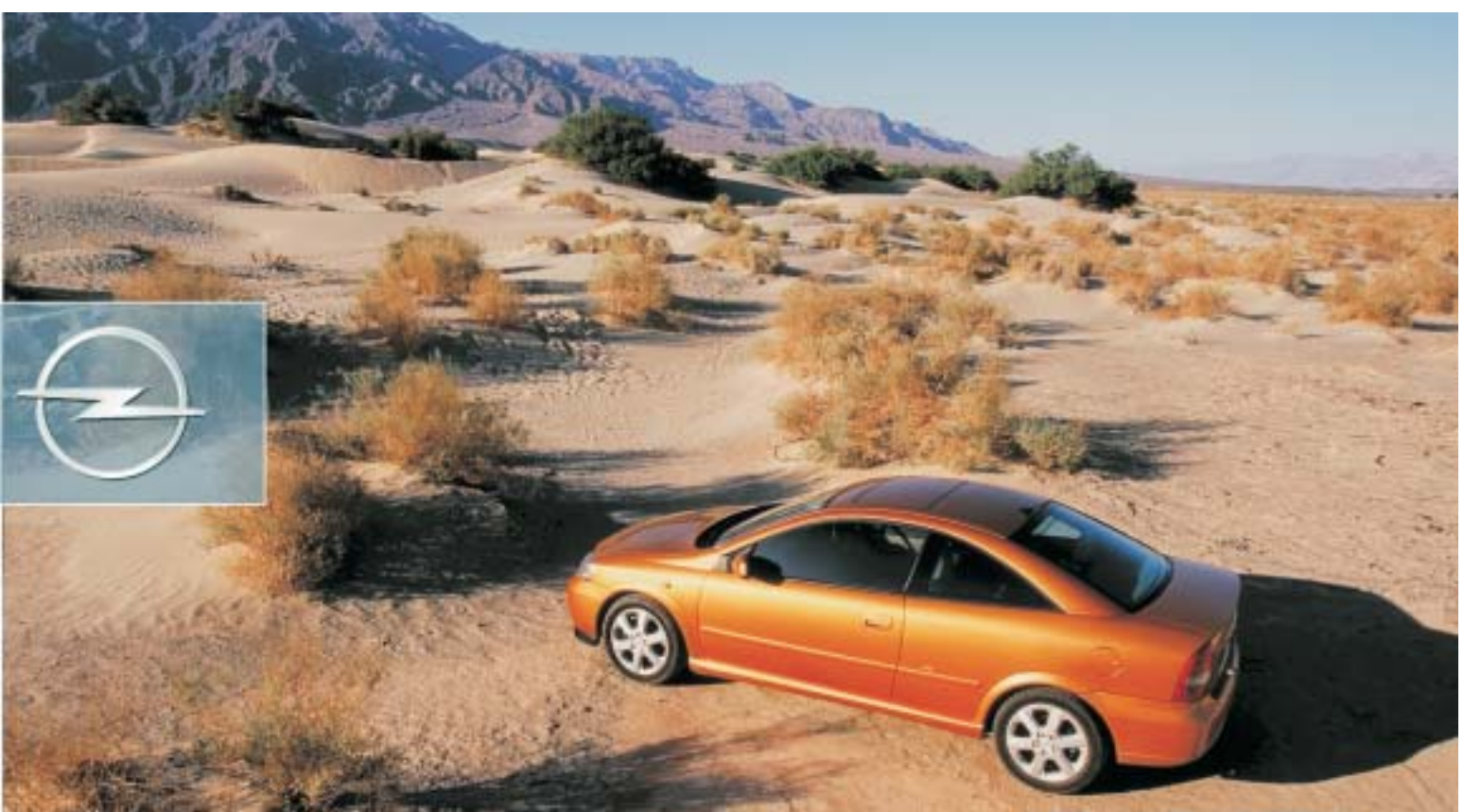




OPEL ASTRA

Your are invited to set the highest standards and get ready to be impressed by the character of this car:

By A level of performance, handling and engineering which until now where the domain of larger, more luxurious cars. Dynamic design at once elegant and functional.

The Astra was born to raise the concept of a compact car to a higher level of **roominess, performance, style and quality.**



Interior & Exterior



You will enjoy a very rewarding motoring experience in the Astra: it is designed to give you a smoother ride, improved handling and uncompromising safety on any road.

S a f e t y

A comprehensive, carefully thought-out protection system that sets new standards for compact vehicles gives you peace of mind:

- Dual full-size airbags and optional side airbags in front
- Pedal Release System (PRS) - Safety cage bodyshell
- Active safety seatbelt system
- Active headrests



Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 1.2 ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 72.5
Stroke (mm): 72.6
Displacement (cc): 1199
Compression ratio: 10.1:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by chain
Valve train: roller drag lever, hydraulic tappets
Valve, arrangement: v; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 55/75 at 5600
Specific power (kW/l; hp/l): 45.9; 62.6
Max. torque (Nm at 1/min): 110 at 4000
Specific torque (Nm/liter): 91.7
Mean effective pressure at max. power/max. torque (kPa): 982.10/1153.4
Average piston speed (m/s): 13.6
Engine oil, capacity (l): 3.5
Cooling capacity (l): 5.2
Battery 12 V, capacity (Ah): 44
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41
4th ratio: 1.12 5th ratio: 0.89
reverse ratio: 3.31 final drive ratio: 3.94
Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_D): 0.28*
Frontal area (A in m²): 2.06
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 256
Brakes rear, diameter (mm): disc, 240
ABS: standard equipment

Weights and dimensions

Length (mm): 4110
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1484/1472
Luggage capacity (l) ECIE: 370-1180
Opening luggage compartment to ground (mm): 676
Cargo-area length (mm): 834-1548
Cargo-area width (mm): 1100
Cargo-area height (mm): 810
Rim width (inch)(mm)/tire size: 5.5Jx14/175/70 R 14 T
Turning clearance circle/turning circle (m): 10.35/10.55
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1125/1570/445
Power to weight ratio (kg/kW; kg/hp)(empty): 20.5; 15.0
Max. axle load front/rear (kg): 815/820
Trailer load braked/unbraked (kg): 650/550
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 170
Acceleration 0-100 km/h (sec)*: 15
Acc. 80-120 km/h in 5th gear (sec)*: 22
Pass-by noise (dBA): 72
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 7.9
extra-urban: 5.1
total: 6.1
CO₂ emission (g/km): 146
Emission class: Euro 4

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model
* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 1.2 ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 72.5
Stroke (mm): 72.6
Displacement (cc): 1199
Compression ratio: 10.1:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by chain
Valve train: roller drag lever, hydraulic tappets
Valve, arrangement: v; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 55/75 at 5600
Specific power (kW/l; hp/l): 45.9; 62.6
Max. torque (Nm at 1/min): 110 at 4000
Specific torque (Nm/liter): 91.7
Mean effective pressure at max. power/max. torque (kPa): 982.10/1153.4
Average piston speed (m/s): 13.6
Engine oil, capacity (l): 3.5
Cooling capacity (l): 5.2
Battery 12 V, capacity (Ah): 44
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41
4th ratio: 1.12 5th ratio: 0.89
reverse ratio: 3.31 final drive ratio: 3.94
Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_D): 0.28*
Frontal area (A in m²): 2.06
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 256
Brakes rear, diameter (mm): disc, 240
ABS: standard equipment

Weights and dimensions

Length (mm): 4110
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1484/1472
Luggage capacity (l) ECIE: 370-1180
Opening luggage compartment to ground (mm): 668
Cargo-area length (mm): 834-1548
Cargo-area width (mm): 1096
Cargo-area height (mm): 810
Rim width (inch)(mm)/tire size: 5.5Jx14/175/70 R 14 T
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1145/1590/445
Power to weight ratio (kg/kW; kg/hp)(empty): 20.8; 15.3
Max. axle load front/rear (kg): 815/820
Trailer load braked/unbraked (kg): 650/550
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 170
Acceleration 0-100 km/h (sec)*: 15
Acc. 80-120 km/h in 5th gear (sec)*: 22
Pass-by noise (dBA): 72
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 7.9
extra-urban: 5.1
total: 6.1
CO₂ emission (g/km): 146
Emission class: Euro 4

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 79
Stroke (mm): 81.5
Displacement (cc): 1598
Compression ratio: 9.6:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 1 overhead (SOHC), driven by toothed belt
Valve train: hydraulic tappets
Valve, arrangement: parallel; 2 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 62/85 at 5400
Specific power (kW/l; hp/l): 38.8; 53.2
Max. torque (Nm at 1/min): 138 at 2600
Specific torque (Nm/liter): 86.4
Mean effective pressure at max. power/max. torque (kPa): 862.2/1085.7
Average piston speed (m/s): 14.7
Engine oil, capacity (l): 3.5
Cooling capacity (l): 5.9
Battery 12 V, capacity (Ah): 44
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41
4th ratio: 1.12 5th ratio: 0.89
reverse ratio: 3.31 final drive ratio: 3.74
Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_d): 0.28*
Frontal area (A in m²): 2.06
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 256
Brakes rear, diameter (mm): disc, 240
ABS: standard equipment

Weights and dimensions

Length (mm): 4110
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 370-1180
Opening luggage compartment to ground (mm): 676
Cargo-area length (mm): 834-1548
Cargo-area width (mm): 1100
Cargo-area height (mm): 810
Rim width (inch)(mm)/tire size: 6Jx15/185/65 R 15 T
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1163/1620/457
Power to weight ratio (kg/kW; kg/hp)(empty): 18.8; 13.7
Max. axle load front/rear (kg): 845/820
Trailer load braked/unbraked (kg): 1100/570
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 180
Acceleration 0-100 km/h (sec)*: 13
Acc. 80-120 km/h in 5th gear (sec)*: 17
Pass-by noise (dBA): 72
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 9.6
extra-urban: 5.6
total: 7.1
CO₂ emission (g/km): 170
Emission class: Euro3/D4

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 79
Stroke (mm): 81.5
Displacement (cc): 1598
Compression ratio: 9.6:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 1 overhead (SOHC), driven by toothed belt
Valve train: hydraulic tappets
Valve, arrangement: parallel; 2 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 62/85 at 5400
Specific power (kW/l; hp/l): 38.8; 53.2
Max. torque (Nm at 1/min): 138 at 2600
Specific torque (Nm/liter): 86.4
Mean effective pressure at max. power/max. torque (kPa): 862.2/1085.7
Average piston speed (m/s): 14.7
Engine oil, capacity (l): 3.5
Cooling capacity (l): 5.8
Battery 12 V, capacity (Ah): 44
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: automatic + lock-up
Gear ratios: 1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00
4th ratio: 0.74
reverse ratio: 2.77 final drive ratio: 4.12
torque converter

Clutch, type:

Body

Seats: 5
Drag coefficient (c_d): 0.28*
Frontal area (A in m²): 2.06
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 256
Brakes rear, diameter (mm): disc, 240
ABS: standard equipment

Weights and dimensions

Length (mm): 4110
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 370-1180
Opening luggage compartment to ground (mm): 676
Cargo-area length (mm): 834-1548
Cargo-area width (mm): 1100
Cargo-area height (mm): 810
Rim width (inch)(mm)/tire size: 6Jx15/185/65 R 15 T
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1163/1640/477
Power to weight ratio (kg/kW; kg/hp)(empty): 18.8; 13.7
Max. axle load front/rear (kg): 865/820
Trailer load braked/unbraked (kg): 1100/570
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 170
Acceleration 0-100 km/h (sec)*: 14.5
Pass-by noise (dBA): 71
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 11.0
extra-urban: 6.1
total: 7.9
CO₂ emission (g/km): 189
Emission class: Euro3/D4

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model
* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 79
Stroke (mm): 81.5
Displacement (cc): 1598
Compression ratio: 9.6:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 1 overhead (SOHC), driven by toothed belt
Valve train: hydraulic tappets
Valve, arrangement: parallel; 2 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 62/85 at 5400
Specific power (kW/l; hp/l): 38.8; 53.2
Max. torque (Nm at 1/min): 138 at 2600
Specific torque (Nm/liter): 86.4
Mean effective pressure at max. power/max. torque (kPa): 862.2/1085.7
Average piston speed (m/s): 14.7
Engine oil, capacity (l): 3.5
Cooling capacity (l): 5.9
Battery 12 V, capacity (Ah): 44
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41
4th ratio: 1.12 5th ratio: 0.89
reverse ratio: 3.31 final drive ratio: 3.74
dry single plate

Clutch, type:

Body

Seats: 5
Drag coefficient (c_d): 0.29*
Frontal area (A in m²): 2.04
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 256
Brakes rear, diameter (mm): disc, 240
ABS: standard equipment

Weights and dimensions

Length (mm): 4252
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 460-1230
Opening luggage compartment to ground (mm): 680
Cargo-area length (mm): 966-1678
Cargo-area width (mm): 1052
Rim width (inch)(mm)/tire size: 6Jx15/195/60 R 15 H
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1183/1660/477
Power to weight ratio (kg/kW; kg/hp)(empty): 19.1; 13.9
Max. axle load front/rear (kg): 845/820
Trailer load braked/unbraked (kg): 1100/570
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 180
Acceleration 0-100 km/h (sec)*: 13
Acc. 80-120 km/h in 5th gear (sec)*: 17
Pass-by noise (dBA): 72
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 9.7
extra-urban: 5.7
total: 7.2
CO₂ emission (g/km): 172
Emission class: Euro3/D4

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Model year:	2003 ½
Date:	03/2003

Engine data

Engine, location:	front, transverse in front of axle, 7° 50' forward inclined
Cooling system:	with liquid, sealed circuit
Cylinders, number:	4
Bore (mm):	79
Stroke (mm):	81.5
Displacement (cc):	1598
Compression ratio:	9.6:1
Engine, type:	in line; 5 main bearings
Cylinder block/head, material:	cast iron/aluminum
Camshaft(s), location:	1 overhead (SOHC), driven by toothed belt
Valve train:	hydraulic tappets
Valve, arrangement:	parallel; 2 per cylinder
Valve adjustment:	automatic - hydraulic
Fuel system:	sequential multi point fuel injection
Ignition system:	electr. ignition map, ignition coil direct to spark plug
Fuel pump:	electric, in tank
Emission control system:	3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min):	62/85 at 5400
Specific power (kW/l; hp/l):	38.8; 53.2
Max. torque (Nm at 1/min):	138 at 2600
Specific torque (Nm/liter):	86.4
Mean effective pressure at max. power/max. torque (kPa):	862.2/1085.7
Average piston speed (m/s):	14.7
Engine oil, capacity (l):	3.5
Cooling capacity (l):	5.8
Battery 12 V, capacity (Ah):	44
Alternator 14.2 V, capacity (W):	994

Transmission

Drive axle:	front wheel drive
Transmission, type:	automatic + lock-up
Gear ratios:	1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00 4th ratio: 0.74 reverse ratio: 2.77 final drive ratio: 4.12
Clutch, type:	torque converter

Body

Seats:	5
Drag coefficient (c _d):	0.29*
Frontal area (A in m²):	2.04
Index (c _w xA):	0.59*

Chassis

Wheel suspension front:	independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear:	compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar:	front

Brakes

Brake circuits:	2, diagonal
Brakes front, diameter (mm):	ventilated disc, 256
Brakes rear, diameter (mm):	disc, 240
ABS:	standard equipment

Weights and dimensions

Length (mm):	4252
Width (mm):	1709
Height (mm):	1425
Wheelbase (mm):	2606
Track front/rear (mm):	1464/1452
Luggage capacity (l) ECIE:	460-1230
Opening luggage compartment to ground (mm):	680
Cargo-area length (mm):	966-1678
Cargo-area width (mm):	1052
Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 H
Turning clearance circle/turning circle (m):	10.55/10.35
Steer. wheel turns lock/lock:	3.1
Steering, ratio:	electr.-hydr. power steering, 17
Steering wheel outside diameter (mm):	380
Kerb weight/max. allowable weight/additional load (kg):	1203/1680/477
Power to weight ratio (kg/kW; kg/hp)(empty):	19.4; 14.2
Max. axle load front/rear (kg):	865/820
Trailer load braked/unbraked (kg):	1100/570
Trailer hook weight/roof load (kg):	75/100
Fuel tank capacity (l), location:	52, under rear seats

Performance

Top speed (km/h)*:	170
Acceleration 0-100 km/h (sec)*:	14.5
Pass-by noise (dBA):	71
Fuel:	unleaded premium
Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO ₂ values. urban: 11.0 extra-urban: 6.1 total: 7.9
CO ₂ emission (g/km):	189
Emission class:	Euro3/D4

Maintenance

Service intervals:	Service check: every 30,000 km or once a year
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+ Basic model
* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 79
Stroke (mm): 81.5
Displacement (cc): 1598
Compression ratio: 9.6:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 1 overhead (SOHC), driven by toothed belt
Valve train: hydraulic tappets
Valve, arrangement: parallel; 2 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 62/85 at 5400
Specific power (kW/l; hp/l): 38.8; 53.2
Max. torque (Nm at 1/min): 138 at 2600
Specific torque (Nm/liter): 86.4
Mean effective pressure at max. power/max. torque (kPa): 862.2/1085.7
Average piston speed (m/s): 14.7
Engine oil, capacity (l): 3.5
Cooling capacity (l): 5.9
Battery 12 V, capacity (Ah): 44
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41
4th ratio: 1.12 5th ratio: 0.89
reverse ratio: 3.31 final drive ratio: 3.74
Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_d): 0.28*
Frontal area (A in m²): 2.06
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 256
Brakes rear, diameter (mm): disc, 240
ABS: standard equipment

Weights and dimensions

Length (mm): 4110
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 370-1180
Opening luggage compartment to ground (mm): 668
Cargo-area length (mm): 834-1548
Cargo-area width (mm): 1096
Cargo-area height (mm): 810
Rim width (inch)(mm)/tire size: 6Jx15/185/65 R 15 T
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1163/1640/477
Power to weight ratio (kg/kW; kg/hp)(empty): 18.8; 13.7
Max. axle load front/rear (kg): 845/820
Trailer load braked/unbraked (kg): 1100/570
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 180
Acceleration 0-100 km/h (sec)*: 13
Acc. 80-120 km/h in 5th gear (sec)*: 17
Pass-by noise (dBA): 72
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 9.7
extra-urban: 5.7
total: 7.2
CO₂ emission (g/km): 172
Emission class: Euro3/D4

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model
* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 79
Stroke (mm): 81.5
Displacement (cc): 1598
Compression ratio: 9.6:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 1 overhead (SOHC), driven by toothed belt
Valve train: hydraulic tappets
Valve, arrangement: parallel; 2 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 62/85 at 5400
Specific power (kW/l; hp/l): 38.8; 53.2
Max. torque (Nm at 1/min): 138 at 2600
Specific torque (Nm/liter): 86.4
Mean effective pressure at max. power/max. torque (kPa): 862.2/1085.7
Average piston speed (m/s): 14.7
Engine oil, capacity (l): 3.5
Cooling capacity (l): 5.8
Battery 12 V, capacity (Ah): 44
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: automatic + lock-up
Gear ratios: 1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00
4th ratio: 0.74
reverse ratio: 2.77 final drive ratio: 4.12
torque converter

Clutch, type:

Body

Seats: 5
Drag coefficient (c_d): 0.28*
Frontal area (A in m²): 2.06
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 256
Brakes rear, diameter (mm): disc, 240
ABS: standard equipment

Weights and dimensions

Length (mm): 4110
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 370-1180
Opening luggage compartment to ground (mm): 668
Cargo-area length (mm): 834-1548
Cargo-area width (mm): 1096
Cargo-area height (mm): 810
Rim width (inch)(mm)/tire size: 6Jx15/185/65 R 15 T
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1183/1660/477
Power to weight ratio (kg/kW; kg/hp)(empty): 19.1; 13.9
Max. axle load front/rear (kg): 865/820
Trailer load braked/unbraked (kg): 1100/570
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 170
Acceleration 0-100 km/h (sec)*: 14.5
Pass-by noise (dBA): 71
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 11.0
extra-urban: 6.1
total: 7.9
CO₂ emission (g/km): 189
Emission class: Euro3/D4

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model
* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year:	2003 ½
Date:	03/2003

Engine data

Engine, location:	front, transverse in front of axle, 7° 50' forward inclined
Cooling system:	with liquid, sealed circuit
Cylinders, number:	4
Bore (mm):	79
Stroke (mm):	81.5
Displacement (cc):	1598
Compression ratio:	9.6:1
Engine, type:	in line; 5 main bearings
Cylinder block/head, material:	cast iron/aluminum
Camshaft(s), location:	1 overhead (SOHC), driven by toothed belt
Valve train:	hydraulic tappets
Valve, arrangement:	parallel; 2 per cylinder
Valve adjustment:	automatic - hydraulic
Fuel system:	sequential multi point fuel injection
Ignition system:	electr. ignition map, ignition coil direct to spark plug
Fuel pump:	electric, in tank
Emission control system:	3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min):	62/85 at 5400
Specific power (kW/l; hp/l):	38.8; 53.2
Max. torque (Nm at 1/min):	138 at 2600
Specific torque (Nm/liter):	86.4
Mean effective pressure at max. power/max. torque (kPa):	862.2/1085.7
Average piston speed (m/s):	14.7
Engine oil, capacity (l):	3.5
Cooling capacity (l):	5.9
Battery 12 V, capacity (Ah):	44
Alternator 14.2 V, capacity (W):	994

Transmission

Drive axle:	front wheel drive
Transmission, type:	manual
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41 4th ratio: 1.12 5th ratio: 0.89 reverse ratio: 3.31 final drive ratio: 3.74 dry single plate
Clutch, type:	

Body

Seats:	5
Drag coefficient (c _d):	0.31*
Frontal area (A in m²):	2.08
Index (c _w xA):	0.65*

Chassis

Wheel suspension front:	independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear:	compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar:	front

Brakes

Brake circuits:	2, diagonal
Brakes front, diameter (mm):	ventilated disc, 256
Brakes rear, diameter (mm):	disc, 240
ABS:	standard equipment

Weights and dimensions

Length (mm):	4288
Width (mm):	1709
Height (mm):	1510
Wheelbase (mm):	2611
Track front/rear (mm):	1464/1452
Luggage capacity (l) ECIE:	480-1500
Opening luggage compartment to ground (mm):	544
Cargo-area length (mm):	1042-1668
Cargo-area width (mm):	1107
Cargo-area height (mm):	886
Rim width (inch)(mm)/tire size:	6Jx15/185/65 R 15 T
Turning clearance circle/turning circle (m):	10.45/10.35
Steer. wheel turns lock/lock:	3.1
Steering, ratio:	electr.-hydr. power steering, 17
Steering wheel outside diameter (mm):	380
Kerb weight/max. allowable weight/additional load (kg):	1235/1710/475
Power to weight ratio (kg/kW; kg/hp)(empty):	19.9; 14.5
Max. axle load front/rear (kg):	845/885
Trailer load braked/unbraked (kg):	1050/570
Trailer hook weight/roof load (kg):	75/100
Fuel tank capacity (l), location:	52, under luggage compartment

Performance

Top speed (km/h)*:	177
Acceleration 0-100 km/h (sec)*:	13.5
Acc. 80-120 km/h in 5th gear (sec)*:	18
Pass-by noise (dBA):	72
Fuel:	unleaded premium
Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO ₂ values. urban: 9.8 extra-urban: 5.8 total: 7.3 174 Euro3/D4
CO ₂ emission (g/km):	
Emission class:	

Maintenance

Service intervals:	Service check: every 30,000 km or once a year
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* Basic model
* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 79
Stroke (mm): 81.5
Displacement (cc): 1598
Compression ratio: 9.6:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 1 overhead (SOHC), driven by toothed belt
Valve train: hydraulic tappets
Valve, arrangement: parallel; 2 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 62/85 at 5400
Specific power (kW/l; hp/l): 38.8; 53.2
Max. torque (Nm at 1/min): 138 at 2600
Specific torque (Nm/liter): 86.4
Mean effective pressure at max. power/max. torque (kPa): 862.2/1085.7
Average piston speed (m/s): 14.7
Engine oil, capacity (l): 3.5
Cooling capacity (l): 5.8
Battery 12 V, capacity (Ah): 44
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: automatic + lock-up
Gear ratios: 1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00
4th ratio: 0.74
reverse ratio: 2.77 final drive ratio: 4.12
torque converter

Clutch, type:

Body

Seats: 5
Drag coefficient (c_d): 0.31*
Frontal area (A in m²): 2.08
Index (c_wxA): 0.65*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 256
Brakes rear, diameter (mm): disc, 240
ABS: standard equipment

Weights and dimensions

Length (mm): 4288
Width (mm): 1709
Height (mm): 1510
Wheelbase (mm): 2611
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 480-1500
Opening luggage compartment to ground (mm): 544
Cargo-area length (mm): 1042-1668
Cargo-area width (mm): 1107
Cargo-area height (mm): 886
Rim width (inch)(mm)/tire size: 6Jx15/185/65 R 15 T
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1255/1730/475
Power to weight ratio (kg/kW; kg/hp)(empty): 20.2; 14.8
Max. axle load front/rear (kg): 865/885
Trailer load braked/unbraked (kg): 1000/570
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under luggage compartment

Performance

Top speed (km/h)*: 167
Acceleration 0-100 km/h (sec)*: 15
Pass-by noise (dBA): 71
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 11.0
extra-urban: 6.2
total: 8.0
CO₂ emission (g/km): 191
Emission class: Euro3/D4

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model
* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 1.6 ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 79
Stroke (mm): 81.5
Displacement (cc): 1598
Compression ratio: 10.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by toothed belt
Valve train: hydraulic bucket tappets
Valve, arrangement: v; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 74/100 at 6000
Specific power (kW/l; hp/l): 46.3; 62.6
Max. torque (Nm at 1/min): 150 at 3600
Specific torque (Nm/liter): 93.9
Mean effective pressure at max. power/max. torque (kPa): 926.2/1180.1
Average piston speed (m/s): 16.3
Engine oil, capacity (l): 3.5
Cooling capacity (l): 6.3
Battery 12 V, capacity (Ah): 44
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41
4th ratio: 1.12 5th ratio: 0.89
reverse ratio: 3.31 final drive ratio: 3.74
Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_d): 0.28*
Frontal area (A in m²): 2.06
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 256
Brakes rear, diameter (mm): disc, 240
ABS: standard equipment

Weights and dimensions

Length (mm): 4110
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 370-1180
Opening luggage compartment to ground (mm): 676
Cargo-area length (mm): 834-1548
Cargo-area width (mm): 1100
Cargo-area height (mm): 810
Rim width (inch)(mm)/tire size: 6Jx15/185/65 R 15 T
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1163/1630/467
Power to weight ratio (kg/kW; kg/hp)(empty): 15.7; 11.6
Max. axle load front/rear (kg): 855/820
Trailer load braked/unbraked (kg): 1150/570
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 188
Acceleration 0-100 km/h (sec)*: 11.5
Acc. 80-120 km/h in 5th gear (sec)*: 15
Pass-by noise (dBA): 72
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 9.4
extra-urban: 5.4
total: 6.9
CO₂ emission (g/km): 165
Emission class: Euro 3/D4

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 1.6 ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 79
Stroke (mm): 81.5
Displacement (cc): 1598
Compression ratio: 10.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by toothed belt
Valve train: hydraulic bucket tappets
Valve, arrangement: v; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 74/100 at 6000
Specific power (kW/l; hp/l): 46.3; 62.6
Max. torque (Nm at 1/min): 150 at 3600
Specific torque (Nm/liter): 93.9
Mean effective pressure at max. power/max. torque (kPa): 926.2/1180.1
Average piston speed (m/s): 16.3
Engine oil, capacity (l): 3.5
Cooling capacity (l): 6.2
Battery 12 V, capacity (Ah): 44
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: automatic + lock-up
Gear ratios: 1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00
4th ratio: 0.74
reverse ratio: 2.77 final drive ratio: 4.12
torque converter

Clutch, type:

Body

Seats: 5
Drag coefficient (c_d): 0.28*
Frontal area (A in m²): 2.06
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 256
Brakes rear, diameter (mm): disc, 240
ABS: standard equipment

Weights and dimensions

Length (mm): 4110
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 370-1180
Opening luggage compartment to ground (mm): 676
Cargo-area length (mm): 834-1548
Cargo-area width (mm): 1100
Cargo-area height (mm): 810
Rim width (inch)(mm)/tire size: 6Jx15/185/65 R 15 T
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1183/1650/467
Power to weight ratio (kg/kW; kg/hp)(empty): 16.0; 11.8
Max. axle load front/rear (kg): 875/820
Trailer load braked/unbraked (kg): 1200/570
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 178
Acceleration 0-100 km/h (sec)*: 13
Pass-by noise (dBA): 72
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 10.4
extra-urban: 5.8
total: 7.5
CO₂ emission (g/km): 179
Emission class: Euro 3/D4

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model
* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 1.6 ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 79
Stroke (mm): 81.5
Displacement (cc): 1598
Compression ratio: 10.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by toothed belt
Valve train: hydraulic bucket tappets
Valve, arrangement: v; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 74/100 at 6000
Specific power (kW/l; hp/l): 46.3; 62.6
Max. torque (Nm at 1/min): 150 at 3600
Specific torque (Nm/liter): 93.9
Mean effective pressure at max. power/max. torque (kPa): 926.2/1180.1
Average piston speed (m/s): 16.3
Engine oil, capacity (l): 3.5
Cooling capacity (l): 6.3
Battery 12 V, capacity (Ah): 44
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41
4th ratio: 1.12 5th ratio: 0.89
reverse ratio: 3.31 final drive ratio: 3.74
Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_d): 0.29*
Frontal area (A in m²): 2.04
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 256
Brakes rear, diameter (mm): disc, 240
ABS: standard equipment

Weights and dimensions

Length (mm): 4252
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 460-1230
Opening luggage compartment to ground (mm): 680
Cargo-area length (mm): 966-1678
Cargo-area width (mm): 1052
Rim width (inch)(mm)/tire size: 6Jx15/195/60 R 15 H
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1225/1670/445
Power to weight ratio (kg/kW; kg/hp)(empty): 16.6; 12.3
Max. axle load front/rear (kg): 855/820
Trailer load braked/unbraked (kg): 1150/570
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 188
Acceleration 0-100 km/h (sec)*: 11.5
Acc. 80-120 km/h in 5th gear (sec)*: 15
Pass-by noise (dBA): 72
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 9.5
extra-urban: 5.5
total: 7.0
CO₂ emission (g/km): 167
Emission class: Euro 3/D4

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 1.6 ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 79
Stroke (mm): 81.5
Displacement (cc): 1598
Compression ratio: 10.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by toothed belt
Valve train: hydraulic bucket tappets
Valve, arrangement: v; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 74/100 at 6000
Specific power (kW/l; hp/l): 46.3; 62.6
Max. torque (Nm at 1/min): 150 at 3600
Specific torque (Nm/liter): 93.9
Mean effective pressure at max. power/max. torque (kPa): 926.2/1180.1
Average piston speed (m/s): 16.3
Engine oil, capacity (l): 3.5
Cooling capacity (l): 6.2
Battery 12 V, capacity (Ah): 44
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: automatic + lock-up
Gear ratios: 1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00
4th ratio: 0.74
reverse ratio: 2.77 final drive ratio: 4.12
torque converter

Clutch, type:

Body

Seats: 5
Drag coefficient (c_d): 0.29*
Frontal area (A in m²): 2.04
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 256
Brakes rear, diameter (mm): disc, 240
ABS: standard equipment

Weights and dimensions

Length (mm): 4252
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 460-1230
Opening luggage compartment to ground (mm): 680
Cargo-area length (mm): 966-1678
Cargo-area width (mm): 1052
Rim width (inch)(mm)/tire size: 6Jx15/195/60 R 15 H
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1245/1690/445
Power to weight ratio (kg/kW; kg/hp)(empty): 16.8; 12.5
Max. axle load front/rear (kg): 875/820
Trailer load braked/unbraked (kg): 1200/570
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 178
Acceleration 0-100 km/h (sec)*: 13
Pass-by noise (dBA): 72
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 10.4
extra-urban: 5.8
total: 7.5
CO₂ emission (g/km): 179
Emission class: Euro 3/D4

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 1.6 ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 79
Stroke (mm): 81.5
Displacement (cc): 1598
Compression ratio: 10.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by toothed belt
Valve train: hydraulic bucket tappets
Valve, arrangement: v; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 74/100 at 6000
Specific power (kW/l; hp/l): 46.3; 62.6
Max. torque (Nm at 1/min): 150 at 3600
Specific torque (Nm/liter): 93.9
Mean effective pressure at max. power/max. torque (kPa): 926.2/1180.1
Average piston speed (m/s): 16.3
Engine oil, capacity (l): 3.5
Cooling capacity (l): 6.3
Battery 12 V, capacity (Ah): 44
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41
4th ratio: 1.12 5th ratio: 0.89
reverse ratio: 3.31 final drive ratio: 3.74
Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_d): 0.28*
Frontal area (A in m²): 2.06
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 256
Brakes rear, diameter (mm): disc, 240
ABS: standard equipment

Weights and dimensions

Length (mm): 4110
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 370-1180
Opening luggage compartment to ground (mm): 668
Cargo-area length (mm): 834-1548
Cargo-area width (mm): 1096
Cargo-area height (mm): 810
Rim width (inch)(mm)/tire size: 6Jx15/185/65 R 15 T
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1205/1650/445
Power to weight ratio (kg/kW; kg/hp)(empty): 16.3; 12.1
Max. axle load front/rear (kg): 855/820
Trailer load braked/unbraked (kg): 1150/570
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 188
Acceleration 0-100 km/h (sec)*: 11.5
Acc. 80-120 km/h in 5th gear (sec)*: 15
Pass-by noise (dBA): 72
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 9.5
extra-urban: 5.5
total: 7.0
CO₂ emission (g/km): 167
Emission class: Euro 3/D4

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 1.6 ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 79
Stroke (mm): 81.5
Displacement (cc): 1598
Compression ratio: 10.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by toothed belt
Valve train: hydraulic bucket tappets
Valve, arrangement: v; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 74/100 at 6000
Specific power (kW/l; hp/l): 46.3; 62.6
Max. torque (Nm at 1/min): 150 at 3600
Specific torque (Nm/liter): 93.9
Mean effective pressure at max. power/max. torque (kPa): 926.2/1180.1
Average piston speed (m/s): 16.3
Engine oil, capacity (l): 3.5
Cooling capacity (l): 6.2
Battery 12 V, capacity (Ah): 44
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: automatic + lock-up
Gear ratios: 1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00
4th ratio: 0.74
reverse ratio: 2.77 final drive ratio: 4.12
torque converter

Clutch, type:

Body

Seats: 5
Drag coefficient (c_d): 0.28*
Frontal area (A in m²): 2.06
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 256
Brakes rear, diameter (mm): disc, 240
ABS: standard equipment

Weights and dimensions

Length (mm): 4110
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 370-1180
Opening luggage compartment to ground (mm): 668
Cargo-area length (mm): 834-1548
Cargo-area width (mm): 1096
Cargo-area height (mm): 810
Rim width (inch)(mm)/tire size: 6Jx15/185/65 R 15 T
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1225/1670/445
Power to weight ratio (kg/kW; kg/hp)(empty): 16.6; 12.3
Max. axle load front/rear (kg): 875/820
Trailer load braked/unbraked (kg): 1200/570
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 178
Acceleration 0-100 km/h (sec)*: 13
Pass-by noise (dBA): 72
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 10.4
extra-urban: 5.8
total: 7.5
CO₂ emission (g/km): 179
Emission class: Euro 3/D4

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Model year:	2003 ½
Date:	03/2003

Engine data

Engine:	1.6 ECOTEC
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined
Cooling system:	with liquid, sealed circuit
Cylinders, number:	4
Bore (mm):	79
Stroke (mm):	81.5
Displacement (cc):	1598
Compression ratio:	10.5:1
Engine, type:	in line; 5 main bearings
Cylinder block/head, material:	cast iron/aluminum
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt
Valve train:	hydraulic bucket tappets
Valve, arrangement:	v; 4 per cylinder
Valve adjustment:	automatic - hydraulic
Fuel system:	sequential multi point fuel injection
Ignition system:	electr. ignition map, ignition coil direct to spark plug
Fuel pump:	electric, in tank
Emission control system:	3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min):	74/100 at 6000
Specific power (kW/l; hp/l):	46.3; 62.6
Max. torque (Nm at 1/min):	150 at 3600
Specific torque (Nm/liter):	93.9
Mean effective pressure at max. power/max. torque (kPa):	926.2/1180.1
Average piston speed (m/s):	16.3
Engine oil, capacity (l):	3.5
Cooling capacity (l):	6.3
Battery 12 V, capacity (Ah):	44
Alternator 14.2 V, capacity (W):	994

Transmission

Drive axle:	front wheel drive
Transmission, type:	manual
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41 4th ratio: 1.12 5th ratio: 0.89 reverse ratio: 3.31 final drive ratio: 3.74
Clutch, type:	dry single plate

Body

Seats:	5
Drag coefficient (c _D):	0.31*
Frontal area (A in m²):	2.08
Index (c _w xA):	0.65*

Chassis

Wheel suspension front:	independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear:	compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar:	front

Brakes

Brake circuits:	2, diagonal
Brakes front, diameter (mm):	ventilated disc, 256
Brakes rear, diameter (mm):	disc, 240
ABS:	standard equipment

Weights and dimensions

Length (mm):	4288
Width (mm):	1709
Height (mm):	1510
Wheelbase (mm):	2611
Track front/rear (mm):	1464/1452
Luggage capacity (l) ECIE:	480-1500
Opening luggage compartment to ground (mm):	544
Cargo-area length (mm):	1042-1668
Cargo-area width (mm):	1107
Cargo-area height (mm):	886
Rim width (inch)(mm)/tire size:	6Jx15/185/65 R 15 T
Turning clearance circle/turning circle (m):	10.55/10.35
Steer. wheel turns lock/lock:	3.1
Steering, ratio:	electr.-hydr. power steering, 17
Steering wheel outside diameter (mm):	380
Kerb weight/max. allowable weight/additional load (kg):	1245/1720/475
Power to weight ratio (kg/kW; kg/hp)(empty):	16.8; 12.5
Max. axle load front/rear (kg):	855/885
Trailer load braked/unbraked (kg):	1100/570
Trailer hook weight/roof load (kg):	75/100
Fuel tank capacity (l), location:	52, under luggage compartment

Performance

Top speed (km/h)*:	183
Acceleration 0-100 km/h (sec)*:	12
Acc. 80-120 km/h in 5th gear (sec)*:	16
Pass-by noise (dBA):	72
Fuel:	unleaded premium
Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO ₂ values. urban: 9.6 extra-urban: 5.7 total: 7.1
CO ₂ emission (g/km):	170
Emission class:	Euro 3/D4

Maintenance

Service intervals:	Service check: every 30,000 km or once a year
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* Basic model
* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 1.6 ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 79
Stroke (mm): 81.5
Displacement (cc): 1598
Compression ratio: 10.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by toothed belt
Valve train: hydraulic bucket tappets
Valve, arrangement: v; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 74/100 at 6000
Specific power (kW/l; hp/l): 46.3; 62.6
Max. torque (Nm at 1/min): 150 at 3600
Specific torque (Nm/liter): 93.9
Mean effective pressure at max. power/max. torque (kPa): 926.2/1180.1
Average piston speed (m/s): 16.3
Engine oil, capacity (l): 3.5
Cooling capacity (l): 6.2
Battery 12 V, capacity (Ah): 44
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: automatic + lock-up
Gear ratios: 1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00
4th ratio: 0.74
reverse ratio: 2.77 final drive ratio: 4.12
torque converter

Clutch, type:

Body

Seats: 5
Drag coefficient (c_d): 0.31*
Frontal area (A in m²): 2.08
Index (c_wxA): 0.65*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 256
Brakes rear, diameter (mm): disc, 240
ABS: standard equipment

Weights and dimensions

Length (mm): 4288
Width (mm): 1709
Height (mm): 1510
Wheelbase (mm): 2611
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 480-1500
Opening luggage compartment to ground (mm): 544
Cargo-area length (mm): 1042-1668
Cargo-area width (mm): 1107
Cargo-area height (mm): 886
Rim width (inch)(mm)/tire size: 6Jx15/185/65 R 15 T
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1265/1740/475
Power to weight ratio (kg/kW; kg/hp)(empty): 17.1; 12.7
Max. axle load front/rear (kg): 875/885
Trailer load braked/unbraked (kg): 1100/570
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under luggage compartment

Performance

Top speed (km/h)*: 173
Acceleration 0-100 km/h (sec)*: 13.5
Pass-by noise (dBA): 72
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 10.4
extra-urban: 5.9
total: 7.6
CO₂ emission (g/km): 182
Emission class: Euro 3/D4

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 1.7 DTI ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 79
Stroke (mm): 86
Displacement (cc): 1686
Compression ratio: 18.4:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by toothed belt
Valve train: direct, bucket tappets
Valve, arrangement: v; 4 per cylinder
Valve adjustment: manual
Fuel system: diesel direct injection
Fuel pump: mechanical
Emission control system: oxidizing catalytic converter
Charger system: turbo with intercooler
Max. boost pressure (bar): 1.0
Output (kW/hp CEE at 1/min): 55/75 at 4400
Specific power (kW/l; hp/l): 32.6; 44.5
Max. torque (Nm at 1/min): 165 at 1800
Specific torque (Nm/liter): 97.9
Mean effective pressure at max. power/max. torque (kPa): 889.7/1230.4
Average piston speed (m/s): 12.6
Engine oil, capacity (l): 4.5
Cooling capacity (l): 7.1
Battery 12 V, capacity (Ah): 70
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.32
4th ratio: 0.95 5th ratio: 0.76
reverse ratio: 3.31 final drive ratio: 3.55
Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_d): 0.28*
Frontal area (A in m²): 2.06
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 256
Brakes rear, diameter (mm): disc, 240
ABS: standard equipment

Weights and dimensions

Length (mm): 4110
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1484/1472
Luggage capacity (l) ECIE: 370-1180
Opening luggage compartment to ground (mm): 676
Cargo-area length (mm): 834-1548
Cargo-area width (mm): 1100
Cargo-area height (mm): 810
Rim width (inch)(mm)/tire size: 5.5Jx14/175/70 R 14 T
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1260/1705/445
Power to weight ratio (kg/kW; kg/hp)(empty): 22.9; 16.8
Max. axle load front/rear (kg): 935/820
Trailer load braked/unbraked (kg): 1150/600
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 173
Acceleration 0-100 km/h (sec)*: 14
Acc. 80-120 km/h in 5th gear (sec)*: 17.5
Pass-by noise (dBA): 73
Fuel: Diesel
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 6.0
extra-urban: 3.9
total: 4.7
CO₂ emission (g/km): 126
Emission class: Euro 3

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Model year:	2003 ½
Date:	03/2003

Engine data

Engine:	1.7 DTI ECOTEC
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined
Cooling system:	with liquid, sealed circuit
Cylinders, number:	4
Bore (mm):	79
Stroke (mm):	86
Displacement (cc):	1686
Compression ratio:	18.4:1
Engine, type:	in line; 5 main bearings
Cylinder block/head, material:	cast iron/aluminum
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt
Valve train:	direct, bucket tappets
Valve, arrangement:	v; 4 per cylinder
Valve adjustment:	manual
Fuel system:	diesel direct injection
Fuel pump:	mechanical
Emission control system:	oxidizing catalytic converter
Charger system:	turbo with intercooler
Max. boost pressure (bar):	1.0
Output (kW/hp CEE at 1/min):	55/75 at 4400
Specific power (kW/l; hp/l):	32.6; 44.5
Max. torque (Nm at 1/min):	165 at 1800
Specific torque (Nm/liter):	97.9
Mean effective pressure at max. power/max. torque (kPa):	889.7/1230.4
Average piston speed (m/s):	12.6
Engine oil, capacity (l):	4.5
Cooling capacity (l):	7.1
Battery 12 V, capacity (Ah):	70
Alternator 14.2 V, capacity (W):	994

Transmission

Drive axle:	front wheel drive
Transmission, type:	manual
Gear ratios:	1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.33 4th ratio: 0.85 5th ratio: 0.67 reverse ratio: 3.31 final drive ratio: 3.55

Clutch, type:	dry single plate
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Body

Seats:	5
Drag coefficient (c _d):	0.28*
Frontal area (A in m²):	2.06
Index (c _w xA):	0.59*

Chassis

Wheel suspension front:	independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear:	compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar:	front

Brakes

Brake circuits:	2, diagonal
Brakes front, diameter (mm):	ventilated disc, 256
Brakes rear, diameter (mm):	disc, 240
ABS:	standard equipment

Weights and dimensions

Length (mm):	4110
Width (mm):	1709
Height (mm):	1425
Wheelbase (mm):	2606
Track front/rear (mm):	1484/1472
Luggage capacity (l) ECIE:	370-1180
Opening luggage compartment to ground (mm):	676
Cargo-area length (mm):	834-1548
Cargo-area width (mm):	1100
Cargo-area height (mm):	810
Rim width (inch)(mm)/tire size:	5.5Jx14/175/80 R 14 T
Turning clearance circle/turning circle (m):	10.55/10.35
Steer. wheel turns lock/lock:	3.1
Steering, ratio:	electr.-hydr. power steering, 17
Steering wheel outside diameter (mm):	380
Kerb weight/max. allowable weight/additional load (kg):	1260/1705/445
Power to weight ratio (kg/kW; kg/hp)(empty):	22.9; 16.8
Max. axle load front/rear (kg):	935/820
Trailer load braked/unbraked (kg):	600/600
Trailer hook weight/roof load (kg):	75/100
Fuel tank capacity (l), location:	52, under rear seats

Performance

Top speed (km/h)*:	178
Acceleration 0-100 km/h (sec)*:	14
Acc. 80-120 km/h in 5th gear (sec)*:	21.5
Pass-by noise (dBA):	72
Fuel:	Diesel
Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO ₂ values. urban: 5.9 extra-urban: 3.5 total: 4.4 118 Euro 3, 5L
CO ₂ emission (g/km):	118
Emission class:	Euro 3, 5L

Maintenance

Service intervals:	Service check: every 30,000 km or once a year
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+ Basic model
* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 1.7 DTI ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 79
Stroke (mm): 86
Displacement (cc): 1686
Compression ratio: 18.4:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by toothed belt
Valve train: direct, bucket tappets
Valve, arrangement: v; 4 per cylinder
Valve adjustment: manual
Fuel system: diesel direct injection
Fuel pump: mechanical
Emission control system: oxidizing catalytic converter
Charger system: turbo with intercooler
Max. boost pressure (bar): 1.0
Output (kW/hp CEE at 1/min): 55/75 at 4400
Specific power (kW/l; hp/l): 32.6; 44.5
Max. torque (Nm at 1/min): 165 at 1800
Specific torque (Nm/liter): 97.9
Mean effective pressure at max. power/max. torque (kPa): 889.7/1230.4
Average piston speed (m/s): 12.6
Engine oil, capacity (l): 4.5
Cooling capacity (l): 7.1
Battery 12 V, capacity (Ah): 70
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.32
4th ratio: 0.95 5th ratio: 0.76
reverse ratio: 3.31 final drive ratio: 3.55
dry single plate

Clutch, type:

Body

Seats: 5
Drag coefficient (c_d): 0.29*
Frontal area (A in m²): 2.04
Index ($c_w \times A$): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 256
Brakes rear, diameter (mm): disc, 240
ABS: standard equipment

Weights and dimensions

Length (mm): 4252
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1484/1472
Luggage capacity (l) ECIE: 460-1230
Opening luggage compartment to ground (mm): 680
Cargo-area length (mm): 966-1678
Cargo-area width (mm): 1052
Rim width (inch)(mm)/tire size: 6Jx15/195/60 R 15 H
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1300/1745/445
Power to weight ratio (kg/kW; kg/hp)(empty): 23.6; 17.3
Max. axle load front/rear (kg): 935/820
Trailer load braked/unbraked (kg): 1150/600
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 173
Acceleration 0-100 km/h (sec)*: 14
Acc. 80-120 km/h in 5th gear (sec)*: 17.5
Pass-by noise (dBA): 73
Fuel: Diesel
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 6.0
extra-urban: 3.9
total: 4.7
CO₂ emission (g/km): 126
Emission class: Euro 3

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 1.7 DTI ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 79
Stroke (mm): 86
Displacement (cc): 1686
Compression ratio: 18.4:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by toothed belt
Valve train: direct, bucket tappets
Valve, arrangement: v; 4 per cylinder
Valve adjustment: manual
Fuel system: diesel direct injection
Fuel pump: mechanical
Emission control system: oxidizing catalytic converter
Charger system: turbo with intercooler
Max. boost pressure (bar): 1.0
Output (kW/hp CEE at 1/min): 55/75 at 4400
Specific power (kW/l; hp/l): 32.6; 44.5
Max. torque (Nm at 1/min): 165 at 1800
Specific torque (Nm/liter): 97.9
Mean effective pressure at max. power/max. torque (kPa): 889.7/1230.4
Average piston speed (m/s): 12.6
Engine oil, capacity (l): 4.5
Cooling capacity (l): 7.1
Battery 12 V, capacity (Ah): 70
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.32
4th ratio: 0.95 5th ratio: 0.76
reverse ratio: 3.31 final drive ratio: 3.55
Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_d): 0.28*
Frontal area (A in m²): 2.06
Index ($c_w \times A$): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 256
Brakes rear, diameter (mm): disc, 240
ABS: standard equipment

Weights and dimensions

Length (mm): 4110
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1484/1472
Luggage capacity (l) ECIE: 370-1180
Opening luggage compartment to ground (mm): 668
Cargo-area length (mm): 834-1548
Cargo-area width (mm): 1096
Cargo-area height (mm): 810
Rim width (inch)(mm)/tire size: 5.5Jx14/175/70 R 14 T
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1280/1725/445
Power to weight ratio (kg/kW; kg/hp)(empty): 23.3; 17.1
Max. axle load front/rear (kg): 935/820
Trailer load braked/unbraked (kg): 1150/600
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 173
Acceleration 0-100 km/h (sec)*: 14
Acc. 80-120 km/h in 5th gear (sec)*: 17.5
Pass-by noise (dBA): 73
Fuel: Diesel
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 6.0
extra-urban: 3.9
total: 4.7
CO₂ emission (g/km): 126
Emission class: Euro 3

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 1.7 DTI ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 79
Stroke (mm): 86
Displacement (cc): 1686
Compression ratio: 18.4:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by toothed belt
Valve train: direct, bucket tappets
Valve, arrangement: v; 4 per cylinder
Valve adjustment: manual
Fuel system: diesel direct injection
Fuel pump: mechanical
Emission control system: oxidizing catalytic converter
Charger system: turbo with intercooler
Max. boost pressure (bar): 1.0
Output (kW/hp CEE at 1/min): 55/75 at 4400
Specific power (kW/l; hp/l): 32.6; 44.5
Max. torque (Nm at 1/min): 165 at 1800
Specific torque (Nm/liter): 97.9
Mean effective pressure at max. power/max. torque (kPa): 889.7/1230.4
Average piston speed (m/s): 12.6
Engine oil, capacity (l): 4.5
Cooling capacity (l): 7.1
Battery 12 V, capacity (Ah): 70
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.33
4th ratio: 0.85 5th ratio: 0.67
reverse ratio: 3.31 final drive ratio: 3.55
dry single plate

Clutch, type:

Body

Seats: 5
Drag coefficient (c_d): 0.28*
Frontal area (A in m²): 2.06
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 256
Brakes rear, diameter (mm): disc, 240
ABS: standard equipment

Weights and dimensions

Length (mm): 4110
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1484/1472
Luggage capacity (l) ECIE: 370-1180
Opening luggage compartment to ground (mm): 668
Cargo-area length (mm): 834-1548
Cargo-area width (mm): 1096
Cargo-area height (mm): 810
Rim width (inch)(mm)/tire size: 5.5Jx14/175/80 R 14 T
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1280/1725/445
Power to weight ratio (kg/kW; kg/hp)(empty): 23.3; 17.1
Max. axle load front/rear (kg): 935/820
Trailer load braked/unbraked (kg): 600/600
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 178
Acceleration 0-100 km/h (sec)*: 14
Acc. 80-120 km/h in 5th gear (sec)*: 21.5
Pass-by noise (dBA): 72
Fuel: Diesel
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 5.9
extra-urban: 3.5
total: 4.4
CO₂ emission (g/km): 118
Emission class: Euro 3, 5L

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model
* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year:	2003 ½
Date:	03/2003

Engine data

Engine:	1.7 DTI ECOTEC
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined
Cooling system:	with liquid, sealed circuit
Cylinders, number:	4
Bore (mm):	79
Stroke (mm):	86
Displacement (cc):	1686
Compression ratio:	18.4:1
Engine, type:	in line; 5 main bearings
Cylinder block/head, material:	cast iron/aluminum
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt
Valve train:	direct, bucket tappets
Valve, arrangement:	v; 4 per cylinder
Valve adjustment:	manual
Fuel system:	diesel direct injection
Fuel pump:	mechanical
Emission control system:	oxidizing catalytic converter
Charger system:	turbo with intercooler
Max. boost pressure (bar):	1.0
Output (kW/hp CEE at 1/min):	55/75 at 4400
Specific power (kW/l; hp/l):	32.6; 44.5
Max. torque (Nm at 1/min):	165 at 1800
Specific torque (Nm/liter):	97.9
Mean effective pressure at max. power/max. torque (kPa):	889.7/1230.4
Average piston speed (m/s):	12.6
Engine oil, capacity (l):	4.5
Cooling capacity (l):	7.1
Battery 12 V, capacity (Ah):	70
Alternator 14.2 V, capacity (W):	994

Transmission

Drive axle:	front wheel drive
Transmission, type:	manual
Gear ratios:	1st ratio: 3.73 2nd ratio: 1.96 3rd ratio: 1.32 4th ratio: 0.95 5th ratio: 0.76 reverse ratio: 3.31 final drive ratio: 3.55
Clutch, type:	dry single plate

Body

Seats:	5
Drag coefficient (c _d):	0.31*
Frontal area (A in m²):	2.08
Index (c _w xA):	0.65*

Chassis

Wheel suspension front:	independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear:	compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar:	front

Brakes

Brake circuits:	2, diagonal
Brakes front, diameter (mm):	ventilated disc, 256
Brakes rear, diameter (mm):	disc, 240
ABS:	standard equipment

Weights and dimensions

Length (mm):	4288
Width (mm):	1709
Height (mm):	1510
Wheelbase (mm):	2611
Track front/rear (mm):	1484/1472
Luggage capacity (l) ECIE:	480-1500
Opening luggage compartment to ground (mm):	544
Cargo-area length (mm):	1042-1668
Cargo-area width (mm):	1107
Cargo-area height (mm):	886
Rim width (inch)(mm)/tire size:	5.5Jx14/175/70 R 14 T
Turning clearance circle/turning circle (m):	10.55/10.35
Steer. wheel turns lock/lock:	3.1
Steering, ratio:	electr.-hydr. power steering, 17
Steering wheel outside diameter (mm):	380
Kerb weight/max. allowable weight/additional load (kg):	1278/1780/502
Power to weight ratio (kg/kW; kg/hp)(empty):	23.2; 17.0
Max. axle load front/rear (kg):	935/885
Trailer load braked/unbraked (kg):	1100/600
Trailer hook weight/roof load (kg):	75/100
Fuel tank capacity (l), location:	52, under luggage compartment

Performance

Top speed (km/h)*:	168
Acceleration 0-100 km/h (sec)*:	14.5
Acc. 80-120 km/h in 5th gear (sec)*:	19.5
Pass-by noise (dBA):	73
Fuel:	Diesel
Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO ₂ values. urban: 6.1 extra-urban: 4.0 total: 4.8
CO ₂ emission (g/km):	129
Emission class:	Euro 3

Maintenance

Service intervals:	Service check: every 30,000 km or once a year
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* Basic model
* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 1.8 ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 80.5
Stroke (mm): 88.2
Displacement (cc): 1796
Compression ratio: 10.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by toothed belt
Valve train: hydraulic bucket tappets
Valve, arrangement: v; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 92/125 at 5600
Specific power (kW/l; hp/l): 51.2; 69.6
Max. torque (Nm at 1/min): 170 at 3800
Specific torque (Nm/liter): 94.7
Mean effective pressure at max. power/max. torque (kPa): 1097.7/1190.0
Average piston speed (m/s): 16.5
Engine oil, capacity (l): 4.25
Cooling capacity (l): 6.8
Battery 12 V, capacity (Ah): 55
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41
4th ratio: 1.12 5th ratio: 0.89
reverse ratio: 3.31 final drive ratio: 3.74
dry single plate

Clutch, type:

Body

Seats: 5
Drag coefficient (c_d): 0.28*
Frontal area (A in m²): 2.06
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 280
Brakes rear, diameter (mm): disc, 264
ABS: standard equipment
TC Plus: standard equipment
ESP: option

Weights and dimensions

Length (mm): 4110
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 370-1180
Opening luggage compartment to ground (mm): 676
Cargo-area length (mm): 834-1548
Cargo-area width (mm): 1100
Cargo-area height (mm): 810
Rim width (inch)(mm)/tire size: 6Jx15/195/60 R 15 H
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1235/1680/445
Power to weight ratio (kg/kW; kg/hp)(empty): 13.4; 9.9
Max. axle load front/rear (kg): 895/820
Trailer load braked/unbraked (kg): 1300/605
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 205
Acceleration 0-100 km/h (sec)*: 9.5
Acc. 80-120 km/h in 5th gear (sec)*: 13
Pass-by noise (dBA): 73
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 10.7
extra-urban: 5.8
total: 7.6
CO₂ emission (g/km): 182
Emission class: Euro 3/D4

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Model year:	2003 ½
Date:	03/2003

Engine data

Engine:	1.8 ECOTEC
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined
Cooling system:	with liquid, sealed circuit
Cylinders, number:	4
Bore (mm):	80.5
Stroke (mm):	88.2
Displacement (cc):	1796
Compression ratio:	10.5:1
Engine, type:	in line; 5 main bearings
Cylinder block/head, material:	cast iron/aluminum
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt
Valve train:	hydraulic bucket tappets
Valve, arrangement:	v; 4 per cylinder
Valve adjustment:	automatic - hydraulic
Fuel system:	sequential multi point fuel injection
Ignition system:	electr. ignition map, ignition coil direct to spark plug
Fuel pump:	electric, in tank
Emission control system:	3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min):	92/125 at 5600
Specific power (kW/l; hp/l):	51.2; 69.6
Max. torque (Nm at 1/min):	170 at 3800
Specific torque (Nm/liter):	94.7
Mean effective pressure at max. power/max. torque (kPa):	1097.7/1190.0
Average piston speed (m/s):	16.5
Engine oil, capacity (l):	4.25
Cooling capacity (l):	6.7
Battery 12 V, capacity (Ah):	55
Alternator 14.2 V, capacity (W):	994

Transmission

Drive axle:	front wheel drive
Transmission, type:	automatic + lock-up
Gear ratios:	1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00 4th ratio: 0.74 reverse ratio: 2.77 final drive ratio: 4.12
Clutch, type:	torque converter

Body

Seats:	5
Drag coefficient (c _D):	0.28*
Frontal area (A in m²):	2.06
Index (c _w xA):	0.59*

Chassis

Wheel suspension front:	independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear:	compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar:	front

Brakes

Brake circuits:	2, diagonal
Brakes front, diameter (mm):	ventilated disc, 280
Brakes rear, diameter (mm):	disc, 264
ABS:	standard equipment
TC Plus:	standard equipment
ESP:	option

Weights and dimensions

Length (mm):	4110
Width (mm):	1709
Height (mm):	1425
Wheelbase (mm):	2606
Track front/rear (mm):	1464/1452
Luggage capacity (l) ECIE:	370-1180
Opening luggage compartment to ground (mm):	676
Cargo-area length (mm):	834-1548
Cargo-area width (mm):	1100
Cargo-area height (mm):	810
Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 H
Turning clearance circle/turning circle (m):	10.55/10.35
Steer. wheel turns lock/lock:	3.1
Steering, ratio:	electr.-hydr. power steering, 17
Steering wheel outside diameter (mm):	380
Kerb weight/max. allowable weight/additional load (kg):	1255/1700/445
Power to weight ratio (kg/kW; kg/hp)(empty):	13.6; 10.0
Max. axle load front/rear (kg):	915/820
Trailer load braked/unbraked (kg):	1250/605
Trailer hook weight/roof load (kg):	75/100
Fuel tank capacity (l), location:	52, under rear seats

Performance

Top speed (km/h)*:	198
Acceleration 0-100 km/h (sec)*:	11
Pass-by noise (dBA):	71
Fuel:	unleaded premium
Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO ₂ values.
	urban: 11.7
	extra-urban: 6.3
	total: 8.3
CO ₂ emission (g/km):	199
Emission class:	Euro 3/D4

Maintenance

Service intervals:	Service check: every 30,000 km or once a year
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* Basic model
* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 1.8 ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 80.5
Stroke (mm): 88.2
Displacement (cc): 1796
Compression ratio: 10.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by toothed belt
Valve train: hydraulic bucket tappets
Valve, arrangement: v; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 92/125 at 5600
Specific power (kW/l; hp/l): 51.2; 69.6
Max. torque (Nm at 1/min): 170 at 3800
Specific torque (Nm/liter): 94.7
Mean effective pressure at max. power/max. torque (kPa): 1097.7/1190.0
Average piston speed (m/s): 16.5
Engine oil, capacity (l): 4.25
Cooling capacity (l): 6.8
Battery 12 V, capacity (Ah): 55
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41
4th ratio: 1.12 5th ratio: 0.89
reverse ratio: 3.31 final drive ratio: 3.74
Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_d): 0.29*
Frontal area (A in m²): 2.04
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 280
Brakes rear, diameter (mm): disc, 264
ABS: standard equipment
TC Plus: standard equipment
ESP: option

Weights and dimensions

Length (mm): 4252
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 460-1230
Opening luggage compartment to ground (mm): 680
Cargo-area length (mm): 966-1678
Cargo-area width (mm): 1052
Rim width (inch)(mm)/tire size: 6Jx15/195/60 R 15 H
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1255/1700/445
Power to weight ratio (kg/kW; kg/hp)(empty): 13.6; 10.0
Max. axle load front/rear (kg): 895/820
Trailer load braked/unbraked (kg): 1300/605
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 205
Acceleration 0-100 km/h (sec)*: 9.5
Acc. 80-120 km/h in 5th gear (sec)*: 13
Pass-by noise (dBA): 73
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 10.7
extra-urban: 5.8
total: 7.6
CO₂ emission (g/km): 182
Emission class: Euro 3/D4

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 1.8 ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 80.5
Stroke (mm): 88.2
Displacement (cc): 1796
Compression ratio: 10.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by toothed belt
Valve train: hydraulic bucket tappets
Valve, arrangement: v; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 92/125 at 5600
Specific power (kW/l; hp/l): 51.2; 69.6
Max. torque (Nm at 1/min): 170 at 3800
Specific torque (Nm/liter): 94.7
Mean effective pressure at max. power/max. torque (kPa): 1097.7/1190.0
Average piston speed (m/s): 16.5
Engine oil, capacity (l): 4.25
Cooling capacity (l): 6.7
Battery 12 V, capacity (Ah): 55
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: automatic + lock-up
Gear ratios: 1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00
4th ratio: 0.74
reverse ratio: 2.77 final drive ratio: 4.12
torque converter

Clutch, type:

Body

Seats: 5
Drag coefficient (c_d): 0.29*
Frontal area (A in m²): 2.04
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 280
Brakes rear, diameter (mm): disc, 264
ABS: standard equipment
TC Plus: standard equipment
ESP: option

Weights and dimensions

Length (mm): 4252
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 460-1230
Opening luggage compartment to ground (mm): 680
Cargo-area length (mm): 966-1678
Cargo-area width (mm): 1052
Rim width (inch)(mm)/tire size: 6Jx15/195/60 R 15 H
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1275/1720/445
Power to weight ratio (kg/kW; kg/hp)(empty): 13.9; 10.2
Max. axle load front/rear (kg): 915/820
Trailer load braked/unbraked (kg): 1250/605
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 198
Acceleration 0-100 km/h (sec)*: 11
Pass-by noise (dBA): 71
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 11.7
extra-urban: 6.3
total: 8.3
CO₂ emission (g/km): 199
Emission class: Euro 3/D4

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 1.8 ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 80.5
Stroke (mm): 88.2
Displacement (cc): 1796
Compression ratio: 10.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by toothed belt
Valve train: hydraulic bucket tappets
Valve, arrangement: v; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 92/125 at 5600
Specific power (kW/l; hp/l): 51.2; 69.6
Max. torque (Nm at 1/min): 170 at 3800
Specific torque (Nm/liter): 94.7
Mean effective pressure at max. power/max. torque (kPa): 1097.7/1190.0
Average piston speed (m/s): 16.5
Engine oil, capacity (l): 4.25
Cooling capacity (l): 6.8
Battery 12 V, capacity (Ah): 55
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41
4th ratio: 1.12 5th ratio: 0.89
reverse ratio: 3.31 final drive ratio: 3.74
dry single plate

Clutch, type:

Body

Seats: 5
Drag coefficient (c_d): 0.28*
Frontal area (A in m²): 2.06
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 280
Brakes rear, diameter (mm): disc, 264
ABS: standard equipment
TC Plus: standard equipment
ESP: option

Weights and dimensions

Length (mm): 4110
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 370-1180
Opening luggage compartment to ground (mm): 668
Cargo-area length (mm): 834-1548
Cargo-area width (mm): 1096
Cargo-area height (mm): 810
Rim width (inch)(mm)/tire size: 6Jx15/195/60 R 15 H
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1255/1700/445
Power to weight ratio (kg/kW; kg/hp)(empty): 13.6; 10.0
Max. axle load front/rear (kg): 895/820
Trailer load braked/unbraked (kg): 1300/605
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 205
Acceleration 0-100 km/h (sec)*: 9.5
Acc. 80-120 km/h in 5th gear (sec)*: 13
Pass-by noise (dBA): 73
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 10.7
extra-urban: 5.8
total: 7.6
CO₂ emission (g/km): 182
Emission class: Euro 3/D4

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Model year:	2003 ½
Date:	03/2003

Engine data

Engine:	1.8 ECOTEC
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined
Cooling system:	with liquid, sealed circuit
Cylinders, number:	4
Bore (mm):	80.5
Stroke (mm):	88.2
Displacement (cc):	1796
Compression ratio:	10.5:1
Engine, type:	in line; 5 main bearings
Cylinder block/head, material:	cast iron/aluminum
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt
Valve train:	hydraulic bucket tappets
Valve, arrangement:	v; 4 per cylinder
Valve adjustment:	automatic - hydraulic
Fuel system:	sequential multi point fuel injection
Ignition system:	electr. ignition map, ignition coil direct to spark plug
Fuel pump:	electric, in tank
Emission control system:	3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min):	92/125 at 5600
Specific power (kW/l; hp/l):	51.2; 69.6
Max. torque (Nm at 1/min):	170 at 3800
Specific torque (Nm/liter):	94.7
Mean effective pressure at max. power/max. torque (kPa):	1097.7/1190.0
Average piston speed (m/s):	16.5
Engine oil, capacity (l):	4.25
Cooling capacity (l):	6.7
Battery 12 V, capacity (Ah):	55
Alternator 14.2 V, capacity (W):	994

Transmission

Drive axle:	front wheel drive
Transmission, type:	automatic + lock-up
Gear ratios:	1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00 4th ratio: 0.74 reverse ratio: 2.77 final drive ratio: 4.12
Clutch, type:	torque converter

Body

Seats:	5
Drag coefficient (c _D):	0.28*
Frontal area (A in m²):	2.06
Index (c _w xA):	0.59*

Chassis

Wheel suspension front:	independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear:	compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar:	front

Brakes

Brake circuits:	2, diagonal
Brakes front, diameter (mm):	ventilated disc, 280
Brakes rear, diameter (mm):	disc, 264
ABS:	standard equipment
TC Plus:	standard equipment
ESP:	option

Weights and dimensions

Length (mm):	4110
Width (mm):	1709
Height (mm):	1425
Wheelbase (mm):	2606
Track front/rear (mm):	1464/1452
Luggage capacity (l) ECIE:	370-1180
Opening luggage compartment to ground (mm):	668
Cargo-area length (mm):	834-1548
Cargo-area width (mm):	1096
Cargo-area height (mm):	810
Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 H
Turning clearance circle/turning circle (m):	10.55/10.35
Steer. wheel turns lock/lock:	3.1
Steering, ratio:	electr.-hydr. power steering, 17
Steering wheel outside diameter (mm):	380
Kerb weight/max. allowable weight/additional load (kg):	1275/1720/445
Power to weight ratio (kg/kW; kg/hp)(empty):	13.9; 10.2
Max. axle load front/rear (kg):	915/820
Trailer load braked/unbraked (kg):	1250/605
Trailer hook weight/roof load (kg):	75/100
Fuel tank capacity (l), location:	52, under rear seats

Performance

Top speed (km/h)*:	198
Acceleration 0-100 km/h (sec)*:	11
Pass-by noise (dBA):	71
Fuel:	unleaded premium
Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO ₂ values. urban: 11.7 extra-urban: 6.3 total: 8.3
CO ₂ emission (g/km):	199
Emission class:	Euro 3/D4

Maintenance

Service intervals:	Service check: every 30,000 km or once a year
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* Basic model
* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year:	2003 ½
Date:	03/2003

Engine data

Engine:	1.8 ECOTEC
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined
Cooling system:	with liquid, sealed circuit
Cylinders, number:	4
Bore (mm):	80.5
Stroke (mm):	88.2
Displacement (cc):	1796
Compression ratio:	10.5:1
Engine, type:	in line; 5 main bearings
Cylinder block/head, material:	cast iron/aluminum
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt
Valve train:	hydraulic bucket tappets
Valve, arrangement:	v; 4 per cylinder
Valve adjustment:	automatic - hydraulic
Fuel system:	sequential multi point fuel injection
Ignition system:	electr. ignition map, ignition coil direct to spark plug
Fuel pump:	electric, in tank
Emission control system:	3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min):	92/125 at 5600
Specific power (kW/l; hp/l):	51.2; 69.6
Max. torque (Nm at 1/min):	170 at 3800
Specific torque (Nm/liter):	94.7
Mean effective pressure at max. power/max. torque (kPa):	1097.7/1190.0
Average piston speed (m/s):	16.5
Engine oil, capacity (l):	4.25
Cooling capacity (l):	6.8
Battery 12 V, capacity (Ah):	55
Alternator 14.2 V, capacity (W):	994

Transmission

Drive axle:	front wheel drive
Transmission, type:	manual
Gear ratios:	1st ratio: 3.73 2nd ratio: 2.14 3rd ratio: 1.41 4th ratio: 1.12 5th ratio: 0.89 reverse ratio: 3.31 final drive ratio: 3.74
Clutch, type:	dry single plate

Body

Seats:	5
Drag coefficient (c _d):	0.31*
Frontal area (A in m²):	2.08
Index (c _w xA):	0.65*

Chassis

Wheel suspension front:	independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear:	compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar:	front

Brakes

Brake circuits:	2, diagonal
Brakes front, diameter (mm):	ventilated disc, 280
Brakes rear, diameter (mm):	disc, 264
ABS:	standard equipment
TC Plus:	standard equipment
ESP:	option

Weights and dimensions

Length (mm):	4288
Width (mm):	1709
Height (mm):	1510
Wheelbase (mm):	2611
Track front/rear (mm):	1464/1452
Luggage capacity (l) ECIE:	480-1500
Opening luggage compartment to ground (mm):	544
Cargo-area length (mm):	1042-1668
Cargo-area width (mm):	1107
Cargo-area height (mm):	886
Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 H
Turning clearance circle/turning circle (m):	10.55/10.35
Steer. wheel turns lock/lock:	3.1
Steering, ratio:	electr.-hydr. power steering, 17
Steering wheel outside diameter (mm):	380
Kerb weight/max. allowable weight/additional load (kg):	1295/1770/475
Power to weight ratio (kg/kW; kg/hp)(empty):	14.1; 10.4
Max. axle load front/rear (kg):	895/885
Trailer load braked/unbraked (kg):	1200/630
Trailer hook weight/roof load (kg):	75/100
Fuel tank capacity (l), location:	52, under luggage compartment

Performance

Top speed (km/h)*:	200
Acceleration 0-100 km/h (sec)*:	10
Acc. 80-120 km/h in 5th gear (sec)*:	14
Pass-by noise (dBA):	73
Fuel:	unleaded premium
Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO ₂ values. urban: 10.8 extra-urban: 5.9 total: 7.7
CO ₂ emission (g/km):	184
Emission class:	Euro 3/D4

Maintenance

Service intervals:	Service check: every 30,000 km or once a year
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* Basic model
* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 1.8 ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 80.5
Stroke (mm): 88.2
Displacement (cc): 1796
Compression ratio: 10.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by toothed belt
Valve train: hydraulic bucket tappets
Valve, arrangement: v; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 92/125 at 5600
Specific power (kW/l; hp/l): 51.2; 69.6
Max. torque (Nm at 1/min): 170 at 3800
Specific torque (Nm/liter): 94.7
Mean effective pressure at max. power/max. torque (kPa): 1097.7/1190.0
Average piston speed (m/s): 16.5
Engine oil, capacity (l): 4.25
Cooling capacity (l): 6.7
Battery 12 V, capacity (Ah): 55
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: automatic + lock-up
Gear ratios: 1st ratio: 2.81 2nd ratio: 1.48 3rd ratio: 1.00
4th ratio: 0.74
reverse ratio: 2.77 final drive ratio: 4.12
torque converter
Clutch, type:

Body

Seats: 5
Drag coefficient (c_d): 0.31*
Frontal area (A in m²): 2.08
Index (c_wxA): 0.65*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 280
Brakes rear, diameter (mm): disc, 264
ABS: standard equipment
TC Plus: standard equipment
ESP: option

Weights and dimensions

Length (mm): 4288
Width (mm): 1709
Height (mm): 1510
Wheelbase (mm): 2611
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 480-1500
Opening luggage compartment to ground (mm): 544
Cargo-area length (mm): 1042-1668
Cargo-area width (mm): 1107
Cargo-area height (mm): 886
Rim width (inch)(mm)/tire size: 6Jx15/195/60 R 15 H
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1298/1790/492
Power to weight ratio (kg/kW; kg/hp)(empty): 14.1; 10.4
Max. axle load front/rear (kg): 915/885
Trailer load braked/unbraked (kg): 1200/630
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under luggage compartment

Performance

Top speed (km/h)*: 193
Acceleration 0-100 km/h (sec)*: 11.5
Pass-by noise (dBA): 71
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 11.7
extra-urban: 6.4
total: 8.4
CO₂ emission (g/km): 201
Emission class: Euro 3/D4

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model
* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 2.0 DTI ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 84
Stroke (mm): 90
Displacement (cc): 1995
Compression ratio: 18.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 1 overhead (SOHC), driven by chain
Valve train: hydraulic bucket tappets
Valve, arrangement: parallel; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: diesel direct injection
Fuel pump: mechanical
Emission control system: oxidizing catalytic converter
Charger system: turbo with intercooler
Max. boost pressure (bar): 1.0
Output (kW/hp CEE at 1/min): 74/100 at 4000
Specific power (kW/l; hp/l): 37.1; 50.1
Max. torque (Nm at 1/min): 230 at 1950
Specific torque (Nm/liter): 115.3
Mean effective pressure at max. power/max. torque (kPa): 1112.8/1449.4
Average piston speed (m/s): 12
Engine oil, capacity (l): 5.5
Cooling capacity (l): 7.9
Battery 12 V, capacity (Ah): 70
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.58 2nd ratio: 1.89 3rd ratio: 1.19
4th ratio: 0.85 5th ratio: 0.69
reverse ratio: 3.31 final drive ratio: 3.63
Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_d): 0.28*
Frontal area (A in m²): 2.06
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 280
Brakes rear, diameter (mm): disc, 264
ABS: standard equipment
TC Plus: standard equipment
ESP: option

Weights and dimensions

Length (mm): 4110
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 370-1180
Opening luggage compartment to ground (mm): 676
Cargo-area length (mm): 834-1548
Cargo-area width (mm): 1100
Cargo-area height (mm): 810
Rim width (inch)(mm)/tire size: 6Jx15/195/60 R 15 H
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1278/1745/467
Power to weight ratio (kg/kW; kg/hp)(empty): 17.3; 12.8
Max. axle load front/rear (kg): 985/820
Trailer load braked/unbraked (kg): 1300/650
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 188
Acceleration 0-100 km/h (sec)*: 12
Acc. 80-120 km/h in 5th gear (sec)*: 13.5
Pass-by noise (dBA): 70
Fuel: Diesel
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 7.5
extra-urban: 4.5
total: 5.6
CO₂ emission (g/km): 151
Emission class: Euro 3

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 2.0 DTI ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 84
Stroke (mm): 90
Displacement (cc): 1995
Compression ratio: 18.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 1 overhead (SOHC), driven by chain
Valve train: hydraulic bucket tappets
Valve, arrangement: parallel; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: diesel direct injection
Fuel pump: mechanical
Emission control system: oxidizing catalytic converter
Charger system: turbo with intercooler
Max. boost pressure (bar): 1.0
Output (kW/hp CEE at 1/min): 74/100 at 4000
Specific power (kW/l; hp/l): 37.1; 50.1
Max. torque (Nm at 1/min): 230 at 1950
Specific torque (Nm/liter): 115.3
Mean effective pressure at max. power/max. torque (kPa): 1112.8/1449.4
Average piston speed (m/s): 12
Battery 12 V, capacity (Ah): 70
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: automatic + lock-up
Gear ratios: final drive ratio: 2.60

Clutch, type: torque converter

Body

Seats: 5
Drag coefficient (c_d): 0.28*
Frontal area (A in m²): 2.06
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 280
Brakes rear, diameter (mm): disc, 264
ABS: standard equipment
TC Plus: standard equipment
ESP: option

Weights and dimensions

Length (mm): 4110
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 370-1180
Opening luggage compartment to ground (mm): 676
Cargo-area length (mm): 834-1548
Cargo-area width (mm): 1100
Cargo-area height (mm): 810
Rim width (inch)(mm)/tire size: 6Jx15/195/60 R 15 H
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1298/1765/467
Power to weight ratio (kg/kW; kg/hp)(empty): 17.5; 13.0
Max. axle load front/rear (kg): 985/820
Trailer load braked/unbraked (kg): 1250/635
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 188
Acceleration 0-100 km/h (sec)*: 12
Acc. 80-120 km/h in 5th gear (sec)*: 13.5
Pass-by noise (dBA): 70
Fuel: Diesel
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 7.5
extra-urban: 4.5
total: 5.6
CO₂ emission (g/km): 151
Emission class: Euro 3

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 2.0 DTI ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 84
Stroke (mm): 90
Displacement (cc): 1995
Compression ratio: 18.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 1 overhead (SOHC), driven by chain
Valve train: hydraulic bucket tappets
Valve, arrangement: parallel; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: diesel direct injection
Fuel pump: mechanical
Emission control system: oxidizing catalytic converter
Charger system: turbo with intercooler
Max. boost pressure (bar): 1.0
Output (kW/hp CEE at 1/min): 74/100 at 4000
Specific power (kW/l; hp/l): 37.1; 50.1
Max. torque (Nm at 1/min): 230 at 1950
Specific torque (Nm/liter): 115.3
Mean effective pressure at max. power/max. torque (kPa): 1112.8/1449.4
Average piston speed (m/s): 12
Engine oil, capacity (l): 5.5
Cooling capacity (l): 7.9
Battery 12 V, capacity (Ah): 70
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.58 2nd ratio: 1.89 3rd ratio: 1.19
4th ratio: 0.85 5th ratio: 0.69
reverse ratio: 3.31 final drive ratio: 3.63
Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_d): 0.29*
Frontal area (A in m²): 2.04
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 280
Brakes rear, diameter (mm): disc, 264
ABS: standard equipment
TC Plus: standard equipment
ESP: option

Weights and dimensions

Length (mm): 4252
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 460-1230
Opening luggage compartment to ground (mm): 680
Cargo-area length (mm): 966-1678
Cargo-area width (mm): 1052
Rim width (inch)(mm)/tire size: 6Jx15/195/60 R 15 H
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1320/1785/465
Power to weight ratio (kg/kW; kg/hp)(empty): 17.8; 13.2
Max. axle load front/rear (kg): 985/820
Trailer load braked/unbraked (kg): 1300/650
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 188
Acceleration 0-100 km/h (sec)*: 12
Acc. 80-120 km/h in 5th gear (sec)*: 13.5
Pass-by noise (dBA): 70
Fuel: Diesel
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU.
Additional equipment can lead to increased consumption and CO₂ values.
urban: 7.6
extra-urban: 4.6
total: 5.7
CO₂ emission (g/km): 154
Emission class: Euro 3

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 2.0 DTI ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 84
Stroke (mm): 90
Displacement (cc): 1995
Compression ratio: 18.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 1 overhead (SOHC), driven by chain
Valve train: hydraulic bucket tappets
Valve, arrangement: parallel; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: diesel direct injection
Fuel pump: mechanical
Emission control system: oxidizing catalytic converter
Charger system: turbo with intercooler
Max. boost pressure (bar): 1.0
Output (kW/hp CEE at 1/min): 74/100 at 4000
Specific power (kW/l; hp/l): 37.1; 50.1
Max. torque (Nm at 1/min): 230 at 1950
Specific torque (Nm/liter): 115.3
Mean effective pressure at max. power/max. torque (kPa): 1112.8/1449.4
Average piston speed (m/s): 12
Battery 12 V, capacity (Ah): 70
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: automatic + lock-up
Gear ratios: final drive ratio: 2.60

Clutch, type: torque converter

Body

Seats: 5
Drag coefficient (c_d): 0.29*
Frontal area (A in m²): 2.04
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 280
Brakes rear, diameter (mm): disc, 264
ABS: standard equipment
TC Plus: standard equipment
ESP: option

Weights and dimensions

Length (mm): 4252
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 460-1230
Opening luggage compartment to ground (mm): 680
Cargo-area length (mm): 966-1678
Cargo-area width (mm): 1052
Rim width (inch)(mm)/tire size: 6Jx15/195/60 R 15 H
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1340/1785/445
Power to weight ratio (kg/kW; kg/hp)(empty): 18.1; 13.4
Max. axle load front/rear (kg): 985/820
Trailer load braked/unbraked (kg): 1200/635
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 188
Acceleration 0-100 km/h (sec)*: 12
Acc. 80-120 km/h in 5th gear (sec)*: 13.5
Pass-by noise (dBA): 70
Fuel: Diesel
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 7.6
extra-urban: 4.6
total: 5.7
CO₂ emission (g/km): 154
Emission class: Euro 3

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 2.0 DTI ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 84
Stroke (mm): 90
Displacement (cc): 1995
Compression ratio: 18.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 1 overhead (SOHC), driven by chain
Valve train: hydraulic bucket tappets
Valve, arrangement: parallel; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: diesel direct injection
Fuel pump: mechanical
Emission control system: oxidizing catalytic converter
Charger system: turbo with intercooler
Max. boost pressure (bar): 1.0
Output (kW/hp CEE at 1/min): 74/100 at 4000
Specific power (kW/l; hp/l): 37.1; 50.1
Max. torque (Nm at 1/min): 230 at 1950
Specific torque (Nm/liter): 115.3
Mean effective pressure at max. power/max. torque (kPa): 1112.8/1449.4
Average piston speed (m/s): 12
Engine oil, capacity (l): 5.5
Cooling capacity (l): 7.9
Battery 12 V, capacity (Ah): 70
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.58 2nd ratio: 1.89 3rd ratio: 1.19
4th ratio: 0.85 5th ratio: 0.69
reverse ratio: 3.31 final drive ratio: 3.63
Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_d): 0.28*
Frontal area (A in m²): 2.06
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 280
Brakes rear, diameter (mm): disc, 264
ABS: standard equipment
TC Plus: standard equipment
ESP: option

Weights and dimensions

Length (mm): 4110
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 370-1180
Opening luggage compartment to ground (mm): 668
Cargo-area length (mm): 834-1548
Cargo-area width (mm): 1096
Cargo-area height (mm): 810
Rim width (inch)(mm)/tire size: 6Jx15/195/60 R 15 H
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1320/1765/445
Power to weight ratio (kg/kW; kg/hp)(empty): 17.8; 13.2
Max. axle load front/rear (kg): 985/820
Trailer load braked/unbraked (kg): 1300/650
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 188
Acceleration 0-100 km/h (sec)*: 12
Acc. 80-120 km/h in 5th gear (sec)*: 13.5
Pass-by noise (dBA): 70
Fuel: Diesel
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 7.6
extra-urban: 4.6
total: 5.7
CO₂ emission (g/km): 154
Emission class: Euro 3

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 2.0 DTI ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 84
Stroke (mm): 90
Displacement (cc): 1995
Compression ratio: 18.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 1 overhead (SOHC), driven by chain
Valve train: hydraulic bucket tappets
Valve, arrangement: parallel; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: diesel direct injection
Fuel pump: mechanical
Emission control system: oxidizing catalytic converter
Charger system: turbo with intercooler
Max. boost pressure (bar): 1.0
Output (kW/hp CEE at 1/min): 74/100 at 4000
Specific power (kW/l; hp/l): 37.1; 50.1
Max. torque (Nm at 1/min): 230 at 1950
Specific torque (Nm/liter): 115.3
Mean effective pressure at max. power/max. torque (kPa): 1112.8/1449.4
Average piston speed (m/s): 12
Battery 12 V, capacity (Ah): 70
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: automatic + lock-up
Gear ratios: final drive ratio: 2.60

Clutch, type: torque converter

Body

Seats: 5
Drag coefficient (c_d): 0.28*
Frontal area (A in m²): 2.06
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 280
Brakes rear, diameter (mm): disc, 264
ABS: standard equipment
TC Plus: standard equipment
ESP: option

Weights and dimensions

Length (mm): 4110
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 370-1180
Opening luggage compartment to ground (mm): 668
Cargo-area length (mm): 834-1548
Cargo-area width (mm): 1096
Cargo-area height (mm): 810
Rim width (inch)(mm)/tire size: 6Jx15/195/60 R 15 H
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1340/1785/445
Power to weight ratio (kg/kW; kg/hp)(empty): 18.1; 13.4
Max. axle load front/rear (kg): 985/820
Trailer load braked/unbraked (kg): 1250/635
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 188
Acceleration 0-100 km/h (sec)*: 12
Acc. 80-120 km/h in 5th gear (sec)*: 13.5
Pass-by noise (dBA): 70
Fuel: Diesel
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 7.6
extra-urban: 4.6
total: 5.7
CO₂ emission (g/km): 154
Emission class: Euro 3

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 2.0 DTI ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 84
Stroke (mm): 90
Displacement (cc): 1995
Compression ratio: 18.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 1 overhead (SOHC), driven by chain
Valve train: hydraulic bucket tappets
Valve, arrangement: parallel; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: diesel direct injection
Fuel pump: mechanical
Emission control system: oxidizing catalytic converter
Charger system: turbo with intercooler
Max. boost pressure (bar): 1.0
Output (kW/hp CEE at 1/min): 74/100 at 4000
Specific power (kW/l; hp/l): 37.1; 50.1
Max. torque (Nm at 1/min): 230 at 1950
Specific torque (Nm/liter): 115.3
Mean effective pressure at max. power/max. torque (kPa): 1112.8/1449.4
Average piston speed (m/s): 12
Engine oil, capacity (l): 5.5
Cooling capacity (l): 7.9
Battery 12 V, capacity (Ah): 70
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.58 2nd ratio: 1.89 3rd ratio: 1.19
4th ratio: 0.85 5th ratio: 0.69
reverse ratio: 3.31 final drive ratio: 3.63
Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_d): 0.31*
Frontal area (A in m²): 2.08
Index ($c_w \times A$): 0.65*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 280
Brakes rear, diameter (mm): disc, 264
ABS: standard equipment
TC Plus: standard equipment
ESP: option

Weights and dimensions

Length (mm): 4288
Width (mm): 1709
Height (mm): 1510
Wheelbase (mm): 2611
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 480-1500
Opening luggage compartment to ground (mm): 544
Cargo-area length (mm): 1042-1668
Cargo-area width (mm): 1107
Cargo-area height (mm): 886
Rim width (inch)(mm)/tire size: 6Jx15/195/60 R 15 H
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1360/1835/475
Power to weight ratio (kg/kW; kg/hp)(empty): 18.4; 13.6
Max. axle load front/rear (kg): 985/885
Trailer load braked/unbraked (kg): 1250/650
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 183
Acceleration 0-100 km/h (sec)*: 12.5
Acc. 80-120 km/h in 5th gear (sec)*: 14.5
Pass-by noise (dBA): 70
Fuel: Diesel
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 7.7
extra-urban: 4.8
total: 5.9
CO₂ emission (g/km): 158
Emission class: Euro 3

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 2.0 DTI ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 84
Stroke (mm): 90
Displacement (cc): 1995
Compression ratio: 18.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 1 overhead (SOHC), driven by chain
Valve train: hydraulic bucket tappets
Valve, arrangement: parallel; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: diesel direct injection
Fuel pump: mechanical
Emission control system: oxidizing catalytic converter
Charger system: turbo with intercooler
Max. boost pressure (bar): 1.0
Output (kW/hp CEE at 1/min): 74/100 at 4000
Specific power (kW/l; hp/l): 37.1; 50.1
Max. torque (Nm at 1/min): 230 at 1950
Specific torque (Nm/liter): 115.3
Mean effective pressure at max. power/max. torque (kPa): 1112.8/1449.4
Average piston speed (m/s): 12
Battery 12 V, capacity (Ah): 70
Alternator 14.2 V, capacity (W): 994

Transmission

Drive axle: front wheel drive
Transmission, type: automatic + lock-up
Gear ratios: final drive ratio: 2.60

Clutch, type: torque converter

Body

Seats: 5
Drag coefficient (c_d): 0.31*
Frontal area (A in m²): 2.08
Index ($c_w \times A$): 0.65*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 280
Brakes rear, diameter (mm): disc, 264
ABS: standard equipment
TC Plus: standard equipment
ESP: option

Weights and dimensions

Length (mm): 4288
Width (mm): 1709
Height (mm): 1510
Wheelbase (mm): 2611
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 480-1500
Opening luggage compartment to ground (mm): 544
Cargo-area length (mm): 1042-1668
Cargo-area width (mm): 1107
Cargo-area height (mm): 886
Rim width (inch)(mm)/tire size: 6Jx15/195/60 R 15 H
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1380/1855/475
Power to weight ratio (kg/kW; kg/hp)(empty): 18.6; 13.8
Max. axle load front/rear (kg): 985/885
Trailer load braked/unbraked (kg): 1200/650
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 183
Acceleration 0-100 km/h (sec)*: 12.5
Acc. 80-120 km/h in 5th gear (sec)*: 14.5
Pass-by noise (dBA): 70
Fuel: Diesel
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 7.7
extra-urban: 4.8
total: 5.9
CO₂ emission (g/km): 158
Emission class: Euro 3

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Model year:	2003 ½
Date:	03/2003

Engine data

Engine:	2.0 Turbo ECOTEC
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined
Cooling system:	with liquid, sealed circuit
Cylinders, number:	4
Bore (mm):	86
Stroke (mm):	86
Displacement (cc):	1998
Compression ratio:	8.8:1
Engine, type:	in line; 5 main bearings
Cylinder block/head, material:	cast iron/aluminum
Camshaft(s), location:	2 overhead (DOHC), driven by toothed belt
Valve train:	hydraulic bucket tappets
Valve, arrangement:	v; 4 per cylinder
Valve adjustment:	automatic - hydraulic
Fuel system:	sequential multi point fuel injection
Ignition system:	electr. ignition map, ignition coil direct to spark plug
Fuel pump:	electric, in tank
Emission control system:	3-way cat. conv. with 2 oxygen sensors
Charger system:	turbo with intercooler
Max. boost pressure (bar):	0.85
Output (kW/hp CEE at 1/min):	147/200 at 5600
Specific power (kW/l; hp/l):	73.6; 100.1
Max. torque (Nm at 1/min):	250 at 1950
Specific torque (Nm/liter):	125.1
Mean effective pressure at max. power/max. torque (kPa):	1576.6/1573.1
Average piston speed (m/s):	16.1
Engine oil, capacity (l):	4.25
Cooling capacity (l):	7.4
Battery 12 V, capacity (Ah):	55
Alternator 14.2 V, capacity (W):	1420

Transmission

Drive axle:	front wheel drive
Transmission, type:	manual
Gear ratios:	1st ratio: 3.58 2nd ratio: 2.02 3rd ratio: 1.35 4th ratio: 0.98 5th ratio: 0.79 reverse ratio: 3.31 final drive ratio: 3.63

Clutch, type:

dry single plate

Body

Seats:	5
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Chassis

Wheel suspension front:	independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers
Wheel suspension rear:	compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers
Anti roll bar:	front

Brakes

Brake circuits:	2, diagonal
Brakes front, diameter (mm):	ventilated disc, 308
Brakes rear, diameter (mm):	disc, 264
ABS:	standard equipment
TC Plus:	standard equipment
ESP:	standard equipment

Weights and dimensions

Length (mm):	4110
Width (mm):	1709
Height (mm):	1425
Wheelbase (mm):	2606
Track front/rear (mm):	1484/1472
Luggage capacity (l) ECIE:	370-1180
Opening luggage compartment to ground (mm):	676
Cargo-area length (mm):	834-1548
Cargo-area width (mm):	1100
Cargo-area height (mm):	810
Rim width (inch)(mm)/tire size:	7.5x17/215/40 ZR 17
Turning clearance circle/turning circle (m):	11.55/11.10
Steer. wheel turns lock/lock:	3.0
Steering, ratio:	electr.-hydr. power steering, 17
Steering wheel outside diameter (mm):	380
Kerb weight/max. allowable weight/additional load (kg):	1325/1770/445
Power to weight ratio (kg/kW; kg/hp)(empty):	9.0; 6.6
Max. axle load front/rear (kg):	955/820
Trailer load braked/unbraked (kg):	1400/600
Trailer hook weight/roof load (kg):	75/100
Fuel tank capacity (l), location:	52, under rear seats

Performance

Top speed (km/h)*:	240
Acceleration 0-100 km/h (sec)*:	7.5
Acc. 80-120 km/h in 5th gear (sec)*:	9.5
Pass-by noise (dBA):	73
Fuel:	unleaded premium
Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO ₂ values. urban: 12.5 extra-urban: 6.8 total: 8.9
CO ₂ emission (g/km):	214
Emission class:	Euro 4

Maintenance

Service intervals:	Service check: every 30,000 km or once a year
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* Basic model
* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 2.0 Turbo ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 86
Stroke (mm): 86
Displacement (cc): 1998
Compression ratio: 8.8:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by toothed belt
Valve train: hydraulic bucket tappets
Valve, arrangement: v; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Charger system: turbo with intercooler
Max. boost pressure (bar): 0.85
Output (kW/hp CEE at 1/min): 147/200 at 5600
Specific power (kW/l; hp/l): 73.6; 100.1
Max. torque (Nm at 1/min): 250 at 1950
Specific torque (Nm/liter): 125.1
Mean effective pressure at max. power/max. torque (kPa): 1576.6/1573.1
Average piston speed (m/s): 16.1
Engine oil, capacity (l): 4.25
Cooling capacity (l): 7.4
Battery 12 V, capacity (Ah): 55
Alternator 14.2 V, capacity (W): 1420

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.58 2nd ratio: 2.02 3rd ratio: 1.35
4th ratio: 0.98 5th ratio: 0.79
reverse ratio: 3.31 final drive ratio: 3.63

Clutch, type: dry single plate

Body

Seats: 5

Chassis

Wheel suspension front: independent, wishbone, on subframe, McPherson struts, twin tube gas pressure shock absorbers
Wheel suspension rear: compound torsion beam axle, coil springs, twin tube gas pressure shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 308
Brakes rear, diameter (mm): disc, 264
ABS: standard equipment
TC Plus: standard equipment
ESP: standard equipment

Weights and dimensions

Length (mm): 4288
Width (mm): 1709
Height (mm): 1510
Wheelbase (mm): 2611
Track front/rear (mm): 1484/1472
Luggage capacity (l) ECIE: 480-1500
Opening luggage compartment to ground (mm): 544
Cargo-area length (mm): 1042-1668
Cargo-area width (mm): 1107
Cargo-area height (mm): 886
Rim width (inch)(mm)/tire size: 7.5x17/215/45 ZR 17
Turning clearance circle/turning circle (m): 11.55/11.10
Steer. wheel turns lock/lock: 3.0
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1415/1860/445
Power to weight ratio (kg/kW; kg/hp)(empty): 9.6; 7.1
Max. axle load front/rear (kg): 985/960
Trailer load braked/unbraked (kg): 1400/700
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 231
Acceleration 0-100 km/h (sec)*: 7.8
Acc. 80-120 km/h in 5th gear (sec)*: 9.5
Pass-by noise (dBA): 74
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 12.7
extra-urban: 7.0
total: 9.1
CO₂ emission (g/km): 219
Emission class: Euro 4

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model
* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 2.2 DTI ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 84
Stroke (mm): 98
Displacement (cc): 2172
Compression ratio: 18.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 1 overhead (SOHC), driven by double bush chain
Valve train: hydraulic bucket tappets
Valve, arrangement: parallel; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: diesel direct injection
Fuel pump: mechanical
Emission control system: 2-way cat. conv. (oxidizing catalytic converter), exhaust gas recirculation turbo with intercooler
Charger system: 1.1
Max. boost pressure (bar): 92/125 at 4000
Output (kW/hp CEE at 1/min): 42.4; 57.6
Max. torque (Nm at 1/min): 280 at 1500
Specific torque (Nm/liter): 128.9
Mean effective pressure at max. power/max. torque (kPa): 1270.7/1620.7
Average piston speed (m/s): 13.1
Engine oil, capacity (l): 5.5
Cooling capacity (l): 7.9
Battery 12 V, capacity (Ah): 70
Alternator 14.2 V, capacity (W): 1704

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.58 2nd ratio: 1.88 3rd ratio: 1.18
4th ratio: 0.89 5th ratio: 0.66
reverse ratio: 3.43 final drive ratio: 3.61
Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_d): 0.28*
Frontal area (A in m²): 2.06
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 280
Brakes rear, diameter (mm): solid disc, 264
ABS: standard equipment
TC Plus: standard equipment
ESP: option

Weights and dimensions

Length (mm): 4110
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 370-1180
Opening luggage compartment to ground (mm): 676
Cargo-area length (mm): 834-1548
Cargo-area width (mm): 1100
Cargo-area height (mm): 810
Rim width (inch)(mm)/tire size: 6Jx15/195/60 R 15 H
Turning clearance circle (m): 11.0
Steer. wheel turns lock/lock: 3.0
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1330/1775/445
Power to weight ratio (kg/kW; kg/hp)(empty): 14.5; 10.6
Max. axle load front/rear (kg): 985/820
Trailer load braked/unbraked (kg): 1350/650
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 203
Acceleration 0-100 km/h (sec)*: 9.9
Acc. 80-120 km/h in 5th gear (sec)*: 10.5
Pass-by noise (dBA): 73
Fuel: Diesel
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 8.4
extra-urban: 4.6
total: 6.0
CO₂ emission (g/km): 161
Emission class: Euro 3

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 2.2 DTI ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 84
Stroke (mm): 98
Displacement (cc): 2172
Compression ratio: 18.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 1 overhead (SOHC), driven by double bush chain
Valve train: hydraulic bucket tappets
Valve, arrangement: parallel; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: diesel direct injection
Fuel pump: mechanical
Emission control system: 2-way cat. conv. (oxidizing catalytic converter), exhaust gas recirculation turbo with intercooler
Charger system: 1.1
Max. boost pressure (bar): 92/125 at 4000
Output (kW/hp CEE at 1/min): 42.4; 57.6
Specific power (kW/l; hp/l): 280 at 1500
Max. torque (Nm at 1/min): 128.9
Specific torque (Nm/liter): 1270.7/1620.7
Mean effective pressure at max. power/max. torque (kPa): 13.1
Average piston speed (m/s): 5.5
Engine oil, capacity (l): 7.9
Cooling capacity (l): 70
Battery 12 V, capacity (Ah): 1704
Alternator 14.2 V, capacity (W): 1704

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.58 2nd ratio: 1.88 3rd ratio: 1.18
4th ratio: 0.89 5th ratio: 0.66
reverse ratio: 3.43 final drive ratio: 3.61
Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_d): 0.28*
Frontal area (A in m²): 2.06
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 280
Brakes rear, diameter (mm): solid disc, 264
ABS: standard equipment
TC Plus: standard equipment
ESP: option

Weights and dimensions

Length (mm): 4252
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 460-1230
Opening luggage compartment to ground (mm): 680
Cargo-area length (mm): 966-1678
Cargo-area width (mm): 1052
Rim width (inch)(mm)/tire size: 6Jx15/195/60 R 15 H
Turning clearance circle (m): 11.0
Steer. wheel turns lock/lock: 3.0
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1350/1795/445
Power to weight ratio (kg/kW; kg/hp)(empty): 14.7; 10.8
Max. axle load front/rear (kg): 985/820
Trailer load braked/unbraked (kg): 1350/650
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 203
Acceleration 0-100 km/h (sec)*: 9.9
Acc. 80-120 km/h in 5th gear (sec)*: 10.5
Pass-by noise (dBA): 73
Fuel: Diesel
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU.
Additional equipment can lead to increased consumption and CO₂ values.
urban: 8.4
extra-urban: 4.6
total: 6.0
CO₂ emission (g/km): 161
Emission class: Euro 3

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 2.2 DTI ECOTEC
Engine, location: front, transverse in front of axle, 7° 50' forward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 84
Stroke (mm): 98
Displacement (cc): 2172
Compression ratio: 18.5:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: cast iron/aluminum
Camshaft(s), location: 1 overhead (SOHC), driven by double bush chain
Valve train: hydraulic bucket tappets
Valve, arrangement: parallel; 4 per cylinder
Valve adjustment: automatic - hydraulic
Fuel system: diesel direct injection
Fuel pump: mechanical
Emission control system: 2-way cat. conv. (oxidizing catalytic converter), exhaust gas recirculation turbo with intercooler
Charger system: 1.1
Max. boost pressure (bar): 92/125 at 4000
Output (kW/hp CEE at 1/min): 42.4; 57.6
Max. torque (Nm at 1/min): 280 at 1500
Specific torque (Nm/liter): 128.9
Mean effective pressure at max. power/max. torque (kPa): 1270.7/1620.7
Average piston speed (m/s): 13.1
Engine oil, capacity (l): 5.5
Cooling capacity (l): 7.9
Battery 12 V, capacity (Ah): 70
Alternator 14.2 V, capacity (W): 1704

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.58 2nd ratio: 1.88 3rd ratio: 1.18
4th ratio: 0.89 5th ratio: 0.66
reverse ratio: 3.43 final drive ratio: 3.61
Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_d): 0.28*
Frontal area (A in m²): 2.06
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 280
Brakes rear, diameter (mm): solid disc, 264
ABS: standard equipment
TC Plus: standard equipment
ESP: option

Weights and dimensions

Length (mm): 4110
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 370-1180
Opening luggage compartment to ground (mm): 668
Cargo-area length (mm): 834-1548
Cargo-area width (mm): 1096
Cargo-area height (mm): 810
Rim width (inch)(mm)/tire size: 6Jx15/195/60 R 15 H
Turning clearance circle (m): 11.0
Steer. wheel turns lock/lock: 3.0
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1350/1795/445
Power to weight ratio (kg/kW; kg/hp)(empty): 14.7; 10.8
Max. axle load front/rear (kg): 985/820
Trailer load braked/unbraked (kg): 1350/650
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 203
Acceleration 0-100 km/h (sec)*: 9.9
Acc. 80-120 km/h in 5th gear (sec)*: 10.5
Pass-by noise (dBA): 73
Fuel: Diesel
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 8.4
extra-urban: 4.6
total: 6.0
CO₂ emission (g/km): 161
Emission class: Euro 3

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Model year:	2003 ½
Date:	03/2003

Engine data

Engine:	2.2 DTI ECOTEC
Engine, location:	front, transverse in front of axle, 7° 50' forward inclined
Cooling system:	with liquid, sealed circuit
Cylinders, number:	4
Bore (mm):	84
Stroke (mm):	98
Displacement (cc):	2172
Compression ratio:	18.5:1
Engine, type:	in line; 5 main bearings
Cylinder block/head, material:	cast iron/aluminum
Camshaft(s), location:	1 overhead (SOHC), driven by double bush chain
Valve train:	hydraulic bucket tappets
Valve, arrangement:	parallel; 4 per cylinder
Valve adjustment:	automatic - hydraulic
Fuel system:	diesel direct injection
Fuel pump:	mechanical
Emission control system:	2-way cat. conv. (oxidizing catalytic converter), exhaust gas recirculation
Charger system:	turbo with intercooler
Max. boost pressure (bar):	1.1
Output (kW/hp CEE at 1/min):	92/125 at 4000
Specific power (kW/l; hp/l):	42.4; 57.6
Max. torque (Nm at 1/min):	280 at 1500
Specific torque (Nm/liter):	128.9
Mean effective pressure at max. power/max. torque (kPa):	1270.7/1620.7
Average piston speed (m/s):	13.1
Engine oil, capacity (l):	5.5
Cooling capacity (l):	7.9
Battery 12 V, capacity (Ah):	70
Alternator 14.2 V, capacity (W):	1704

Transmission

Drive axle:	front wheel drive
Transmission, type:	manual
Gear ratios:	1st ratio: 3.58 2nd ratio: 1.88 3rd ratio: 1.18 4th ratio: 0.89 5th ratio: 0.66 reverse ratio: 3.43 final drive ratio: 3.61
Clutch, type:	dry single plate

Body

Seats:	5
Drag coefficient (c _d):	0.28*
Frontal area (A in m²):	2.06
Index (c _w xA):	0.59*

Chassis

Wheel suspension front:	independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear:	compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar:	front

Brakes

Brake circuits:	2, diagonal
Brakes front, diameter (mm):	ventilated disc, 280
Brakes rear, diameter (mm):	solid disc, 264
ABS:	standard equipment
TC Plus:	standard equipment
ESP:	option

Weights and dimensions

Length (mm):	4288
Width (mm):	1709
Height (mm):	1510
Wheelbase (mm):	2611
Track front/rear (mm):	1464/1452
Luggage capacity (l) ECIE:	480-1500
Opening luggage compartment to ground (mm):	544
Cargo-area length (mm):	1042-1668
Cargo-area width (mm):	1107
Cargo-area height (mm):	886
Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 H
Turning clearance circle (m):	11.0
Steer. wheel turns lock/lock:	3.0
Steering, ratio:	electr.-hydr. power steering, 17
Steering wheel outside diameter (mm):	380
Kerb weight/max. allowable weight/additional load (kg):	1390/1865/475
Power to weight ratio (kg/kW; kg/hp)(empty):	15.1; 11.1
Max. axle load front/rear (kg):	985/885
Trailer load braked/unbraked (kg):	1300/650
Trailer hook weight/roof load (kg):	75/100
Fuel tank capacity (l), location:	52, under rear seats

Performance

Top speed (km/h)*:	200
Acceleration 0-100 km/h (sec)*:	10.4
Acc. 80-120 km/h in 5th gear (sec)*:	11
Pass-by noise (dBA):	73
Fuel:	Diesel
Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO ₂ values. urban: 8.5 extra-urban: 4.8 total: 6.2
CO ₂ emission (g/km):	166
Emission class:	Euro 3

Maintenance

Service intervals:	Service check: every 30,000 km or once a year
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* Basic model
* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 2.2 ECOTEC
Engine, location: front, transverse in front of axle, 10° backward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 86
Stroke (mm): 94.6
Displacement (cc): 2198
Compression ratio: 10:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: aluminum/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by chain
Valve train: roller rocker with hydraulic bucket tappets
Valve, arrangement: v; 4 per cylinder
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 108/147 at 5800
Specific power (kW/l; hp/l): 49.1; 66.9
Max. torque (Nm at 1/min): 203 at 4000
Specific torque (Nm/liter): 92.4
Mean effective pressure at max. power/max. torque (kPa): 1016.6/1161.1
Average piston speed (m/s): 18.3
Engine oil, capacity (l): 5
Cooling capacity (l): 7.1
Battery 12 V, capacity (Ah): 66
Alternator 14.2 V, capacity (W): 1420

Transmission

Drive axle: front wheel drive
Transmission, type: manual
Gear ratios: 1st ratio: 3.58 2nd ratio: 2.02 3rd ratio: 1.35
4th ratio: 0.98 5th ratio: 0.81
reverse ratio: 3.31 final drive ratio: 3.95

Clutch, type: dry single plate

Body

Seats: 5
Drag coefficient (c_d): 0.28*
Frontal area (A in m²): 2.06
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 280
Brakes rear, diameter (mm): disc, 264
ABS: standard equipment
TC Plus: standard equipment
ESP: standard equipment

Weights and dimensions

Length (mm): 4110
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 370-1180
Opening luggage compartment to ground (mm): 676
Cargo-area length (mm): 834-1548
Cargo-area width (mm): 1100
Cargo-area height (mm): 810
Rim width (inch)(mm)/tire size: 6Jx15/195/60 R 15 V
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1275/1720/445
Power to weight ratio (kg/kW; kg/hp)(empty): 11.8; 8.7
Max. axle load front/rear (kg): 935/820
Trailer load braked/unbraked (kg): 1400/610
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 214
Acceleration 0-100 km/h (sec)*: 8.8
Acc. 80-120 km/h in 5th gear (sec)*: 12
Pass-by noise (dBA): 74
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 11.7
extra-urban: 6.0
total: 8.1
CO₂ emission (g/km): 194
Emission class: Euro 4

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model

* Kerb weight (70156 EEC) and 125 kg payload

Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 2.2 ECOTEC
Engine, location: front, transverse in front of axle, 10° backward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 86
Stroke (mm): 94.6
Displacement (cc): 2198
Compression ratio: 10:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: aluminum/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by chain
Valve train: roller rocker with hydraulic bucket tappets
Valve, arrangement: v; 4 per cylinder
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 108/147 at 5800
Specific power (kW/l; hp/l): 49.1; 66.9
Max. torque (Nm at 1/min): 203 at 4000
Specific torque (Nm/liter): 92.4
Mean effective pressure at max. power/max. torque (kPa): 1016.6/1161.1
Average piston speed (m/s): 18.3
Engine oil, capacity (l): 5
Cooling capacity (l): 6.9
Battery 12 V, capacity (Ah): 66
Alternator 14.2 V, capacity (W): 1420

Transmission

Drive axle: front wheel drive
Transmission, type: automatic + lock-up
Gear ratios: 1st ratio: 3.67 2nd ratio: 2.10 3rd ratio: 1.39
4th ratio: 1.00
reverse ratio: 4.02 final drive ratio: 2.81
torque converter

Clutch, type:

Body

Seats: 5
Drag coefficient (c_d): 0.28*
Frontal area (A in m²): 2.06
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 280
Brakes rear, diameter (mm): disc, 264
ABS: standard equipment
TC Plus: standard equipment
ESP: standard equipment

Weights and dimensions

Length (mm): 4110
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 370-1180
Opening luggage compartment to ground (mm): 676
Cargo-area length (mm): 834-1548
Cargo-area width (mm): 1100
Cargo-area height (mm): 810
Rim width (inch)(mm)/tire size: 6Jx15/195/60 R 15 V
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1295/1740/445
Power to weight ratio (kg/kW; kg/hp)(empty): 12.0; 8.8
Max. axle load front/rear (kg): 955/820
Trailer load braked/unbraked (kg): 1400/610
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 208
Acceleration 0-100 km/h (sec)*: 10
Pass-by noise (dBA): 73
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 11.6
extra-urban: 6.5
total: 8.4
CO₂ emission (g/km): 201
Emission class: Euro 4

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model
* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year:	2003 ½
Date:	03/2003

Engine data

Engine:	2.2 ECOTEC
Engine, location:	front, transverse in front of axle, 10° backward inclined
Cooling system:	with liquid, sealed circuit
Cylinders, number:	4
Bore (mm):	86
Stroke (mm):	94.6
Displacement (cc):	2198
Compression ratio:	10:1
Engine, type:	in line; 5 main bearings
Cylinder block/head, material:	aluminum/aluminum
Camshaft(s), location:	2 overhead (DOHC), driven by chain
Valve train:	roller rocker with hydraulic bucket tappets
Valve, arrangement:	v; 4 per cylinder
Fuel system:	sequential multi point fuel injection
Ignition system:	electr. ignition map, ignition coil direct to spark plug
Fuel pump:	electric, in tank
Emission control system:	3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min):	108/147 at 5800
Specific power (kW/l; hp/l):	49.1; 66.9
Max. torque (Nm at 1/min):	203 at 4000
Specific torque (Nm/liter):	92.4
Mean effective pressure at max. power/max. torque (kPa):	1016.6/1161.1
Average piston speed (m/s):	18.3
Engine oil, capacity (l):	5
Cooling capacity (l):	7.1
Battery 12 V, capacity (Ah):	66
Alternator 14.2 V, capacity (W):	1420

Transmission

Drive axle:	front wheel drive
Transmission, type:	manual
Gear ratios:	1st ratio: 3.58 2nd ratio: 2.02 3rd ratio: 1.35 4th ratio: 0.98 5th ratio: 0.81 reverse ratio: 3.31 final drive ratio: 3.95
Clutch, type:	dry single plate

Body

Seats:	5
Drag coefficient (c _d):	0.28*
Frontal area (A in m²):	2.06
Index (c _w xA):	0.59*

Chassis

Wheel suspension front:	independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear:	compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar:	front

Brakes

Brake circuits:	2, diagonal
Brakes front, diameter (mm):	ventilated disc, 280
Brakes rear, diameter (mm):	disc, 264
ABS:	standard equipment
TC Plus:	standard equipment
ESP:	standard equipment

Weights and dimensions

Length (mm):	4252
Width (mm):	1709
Height (mm):	1425
Wheelbase (mm):	2606
Track front/rear (mm):	1464/1452
Luggage capacity (l) ECIE:	460-1230
Opening luggage compartment to ground (mm):	680
Cargo-area length (mm):	966-1678
Cargo-area width (mm):	1052
Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 V
Turning clearance circle/turning circle (m):	10.55/10.35
Steer. wheel turns lock/lock:	3.1
Steering, ratio:	electr.-hydr. power steering, 17
Steering wheel outside diameter (mm):	380
Kerb weight/max. allowable weight/additional load (kg):	1295/1740/445
Power to weight ratio (kg/kW; kg/hp)(empty):	12.0; 8.8
Max. axle load front/rear (kg):	935/820
Trailer load braked/unbraked (kg):	1400/610
Trailer hook weight/roof load (kg):	75/100
Fuel tank capacity (l), location:	52, under rear seats

Performance

Top speed (km/h)*:	214
Acceleration 0-100 km/h (sec)*:	8.8
Acc. 80-120 km/h in 5th gear (sec)*:	12
Pass-by noise (dBA):	74
Fuel:	unleaded premium
Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO ₂ values.
	urban: 11.7
	extra-urban: 6.0
	total: 8.1
CO ₂ emission (g/km):	194
Emission class:	Euro 4

Maintenance

Service intervals:	Service check: every 30,000 km or once a year
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* Basic model
* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year:	2003 ½
Date:	03/2003

Engine data

Engine:	2.2 ECOTEC
Engine, location:	front, transverse in front of axle, 10° backward inclined
Cooling system:	with liquid, sealed circuit
Cylinders, number:	4
Bore (mm):	86
Stroke (mm):	94.6
Displacement (cc):	2198
Compression ratio:	10:1
Engine, type:	in line; 5 main bearings
Cylinder block/head, material:	aluminum/aluminum
Camshaft(s), location:	2 overhead (DOHC), driven by chain
Valve train:	roller rocker with hydraulic bucket tappets
Valve, arrangement:	v; 4 per cylinder
Fuel system:	sequential multi point fuel injection
Ignition system:	electr. ignition map, ignition coil direct to spark plug
Fuel pump:	electric, in tank
Emission control system:	3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min):	108/147 at 5800
Specific power (kW/l; hp/l):	49.1; 66.9
Max. torque (Nm at 1/min):	203 at 4000
Specific torque (Nm/liter):	92.4
Mean effective pressure at max. power/max. torque (kPa):	1016.6/1161.1
Average piston speed (m/s):	18.3
Engine oil, capacity (l):	5
Cooling capacity (l):	6.9
Battery 12 V, capacity (Ah):	66
Alternator 14.2 V, capacity (W):	1420

Transmission

Drive axle:	front wheel drive
Transmission, type:	automatic + lock-up
Gear ratios:	1st ratio: 3.67 2nd ratio: 2.10 3rd ratio: 1.39 4th ratio: 1.00 reverse ratio: 4.02 final drive ratio: 2.81
Clutch, type:	torque converter

Body

Seats:	5
Drag coefficient (c _d):	0.28*
Frontal area (A in m²):	2.06
Index (c _w xA):	0.59*

Chassis

Wheel suspension front:	independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear:	compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar:	front

Brakes

Brake circuits:	2, diagonal
Brakes front, diameter (mm):	ventilated disc, 280
Brakes rear, diameter (mm):	disc, 264
ABS:	standard equipment
TC Plus:	standard equipment
ESP:	standard equipment

Weights and dimensions

Length (mm):	4252
Width (mm):	1709
Height (mm):	1425
Wheelbase (mm):	2606
Track front/rear (mm):	1464/1452
Luggage capacity (l) ECIE:	460-1230
Opening luggage compartment to ground (mm):	680
Cargo-area length (mm):	966-1678
Cargo-area width (mm):	1052
Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 V
Turning clearance circle/turning circle (m):	10.55/10.35
Steer. wheel turns lock/lock:	3.1
Steering, ratio:	electr.-hydr. power steering, 17
Steering wheel outside diameter (mm):	380
Kerb weight/max. allowable weight/additional load (kg):	1298/1760/462
Power to weight ratio (kg/kW; kg/hp)(empty):	12.0; 8.8
Max. axle load front/rear (kg):	955/820
Trailer load braked/unbraked (kg):	1400/610
Trailer hook weight/roof load (kg):	75/100
Fuel tank capacity (l), location:	52, under rear seats

Performance

Top speed (km/h)*:	208
Acceleration 0-100 km/h (sec)*:	10
Pass-by noise (dBA):	73
Fuel:	unleaded premium
Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO ₂ values.
	urban: 11.6
	extra-urban: 6.5
	total: 8.4
CO ₂ emission (g/km):	201
Emission class:	Euro 4

Maintenance

Service intervals:	Service check: every 30,000 km or once a year
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+ Basic model
* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year:	2003 ½
Date:	03/2003

Engine data

Engine:	2.2 ECOTEC
Engine, location:	front, transverse in front of axle, 10° backward inclined
Cooling system:	with liquid, sealed circuit
Cylinders, number:	4
Bore (mm):	86
Stroke (mm):	94.6
Displacement (cc):	2198
Compression ratio:	10:1
Engine, type:	in line; 5 main bearings
Cylinder block/head, material:	aluminum/aluminum
Camshaft(s), location:	2 overhead (DOHC), driven by chain
Valve train:	roller rocker with hydraulic bucket tappets
Valve, arrangement:	v; 4 per cylinder
Fuel system:	sequential multi point fuel injection
Ignition system:	electr. ignition map, ignition coil direct to spark plug
Fuel pump:	electric, in tank
Emission control system:	3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min):	108/147 at 5800
Specific power (kW/l; hp/l):	49.1; 66.9
Max. torque (Nm at 1/min):	203 at 4000
Specific torque (Nm/liter):	92.4
Mean effective pressure at max. power/max. torque (kPa):	1016.6/1161.1
Average piston speed (m/s):	18.3
Engine oil, capacity (l):	5
Cooling capacity (l):	7.1
Battery 12 V, capacity (Ah):	66
Alternator 14.2 V, capacity (W):	1420

Transmission

Drive axle:	front wheel drive
Transmission, type:	manual
Gear ratios:	1st ratio: 3.58 2nd ratio: 2.02 3rd ratio: 1.35 4th ratio: 0.98 5th ratio: 0.81 reverse ratio: 3.31 final drive ratio: 3.95

Clutch, type:	dry single plate
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Body

Seats:	5
Drag coefficient (c _d):	0.28*
Frontal area (A in m²):	2.06
Index (c _w xA):	0.59*

Chassis

Wheel suspension front:	independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear:	compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar:	front

Brakes

Brake circuits:	2, diagonal
Brakes front, diameter (mm):	ventilated disc, 280
Brakes rear, diameter (mm):	disc, 264
ABS:	standard equipment
TC Plus:	standard equipment
ESP:	standard equipment

Weights and dimensions

Length (mm):	4110
Width (mm):	1709
Height (mm):	1425
Wheelbase (mm):	2606
Track front/rear (mm):	1464/1452
Luggage capacity (l) ECIE:	370-1180
Opening luggage compartment to ground (mm):	668
Cargo-area length (mm):	834-1548
Cargo-area width (mm):	1096
Cargo-area height (mm):	810
Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 V
Turning clearance circle/turning circle (m):	10.55/10.35
Steer. wheel turns lock/lock:	3.1
Steering, ratio:	electr.-hydr. power steering, 17
Steering wheel outside diameter (mm):	380
Kerb weight/max. allowable weight/additional load (kg):	1295/1740/445
Power to weight ratio (kg/kW; kg/hp)(empty):	12.0; 8.8
Max. axle load front/rear (kg):	935/820
Trailer load braked/unbraked (kg):	1400/610
Trailer hook weight/roof load (kg):	75/100
Fuel tank capacity (l), location:	52, under rear seats

Performance

Top speed (km/h)*:	214
Acceleration 0-100 km/h (sec)*:	8.8
Acc. 80-120 km/h in 5th gear (sec)*:	12
Pass-by noise (dBA):	74
Fuel:	unleaded premium
Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO ₂ values. urban: 11.7 extra-urban: 6.0 total: 8.1 194 Euro 4
CO ₂ emission (g/km):	
Emission class:	

Maintenance

Service intervals:	Service check: every 30,000 km or once a year
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* Basic model
* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 2.2 ECOTEC
Engine, location: front, transverse in front of axle, 10° backward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 86
Stroke (mm): 94.6
Displacement (cc): 2198
Compression ratio: 10:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: aluminum/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by chain
Valve train: roller rocker with hydraulic bucket tappets
Valve, arrangement: v; 4 per cylinder
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 108/147 at 5800
Specific power (kW/l; hp/l): 49.1; 66.9
Max. torque (Nm at 1/min): 203 at 4000
Specific torque (Nm/liter): 92.4
Mean effective pressure at max. power/max. torque (kPa): 1016.6/1161.1
Average piston speed (m/s): 18.3
Engine oil, capacity (l): 5
Cooling capacity (l): 6.9
Battery 12 V, capacity (Ah): 66
Alternator 14.2 V, capacity (W): 1420

Transmission

Drive axle: front wheel drive
Transmission, type: automatic + lock-up
Gear ratios: 1st ratio: 3.67 2nd ratio: 2.10 3rd ratio: 1.39
4th ratio: 1.00
reverse ratio: 4.02 final drive ratio: 2.81
torque converter

Clutch, type:

Body

Seats: 5
Drag coefficient (c_d): 0.28*
Frontal area (A in m²): 2.06
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 280
Brakes rear, diameter (mm): disc, 264
ABS: standard equipment
TC Plus: standard equipment
ESP: standard equipment

Weights and dimensions

Length (mm): 4110
Width (mm): 1709
Height (mm): 1425
Wheelbase (mm): 2606
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 370-1180
Opening luggage compartment to ground (mm): 668
Cargo-area length (mm): 834-1548
Cargo-area width (mm): 1096
Cargo-area height (mm): 810
Rim width (inch)(mm)/tire size: 6Jx15/195/60 R 15 V
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1298/1760/462
Power to weight ratio (kg/kW; kg/hp)(empty): 12.0; 8.8
Max. axle load front/rear (kg): 955/820
Trailer load braked/unbraked (kg): 1400/610
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 208
Acceleration 0-100 km/h (sec)*: 10
Pass-by noise (dBA): 73
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 11.6
extra-urban: 6.5
total: 8.4
CO₂ emission (g/km): 201
Emission class: Euro 4

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model
* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year:	2003 ½
Date:	03/2003

Engine data

Engine:	2.2 ECOTEC
Engine, location:	front, transverse in front of axle, 10° backward inclined
Cooling system:	with liquid, sealed circuit
Cylinders, number:	4
Bore (mm):	86
Stroke (mm):	94.6
Displacement (cc):	2198
Compression ratio:	10:1
Engine, type:	in line; 5 main bearings
Cylinder block/head, material:	aluminum/aluminum
Camshaft(s), location:	2 overhead (DOHC), driven by chain
Valve train:	roller rocker with hydraulic bucket tappets
Valve, arrangement:	v; 4 per cylinder
Fuel system:	sequential multi point fuel injection
Ignition system:	electr. ignition map, ignition coil direct to spark plug
Fuel pump:	electric, in tank
Emission control system:	3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min):	108/147 at 5800
Specific power (kW/l; hp/l):	49.1; 66.9
Max. torque (Nm at 1/min):	203 at 4000
Specific torque (Nm/liter):	92.4
Mean effective pressure at max. power/max. torque (kPa):	1016.6/1161.1
Average piston speed (m/s):	18.3
Engine oil, capacity (l):	5
Cooling capacity (l):	7.1
Battery 12 V, capacity (Ah):	66
Alternator 14.2 V, capacity (W):	1420

Transmission

Drive axle:	front wheel drive
Transmission, type:	manual
Gear ratios:	1st ratio: 3.58 2nd ratio: 2.02 3rd ratio: 1.35 4th ratio: 0.98 5th ratio: 0.81 reverse ratio: 3.31 final drive ratio: 3.95

Clutch, type:	dry single plate
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Body

Seats:	5
Drag coefficient (c _d):	0.28*
Frontal area (A in m²):	2.06
Index (c _w xA):	0.59*

Chassis

Wheel suspension front:	independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear:	compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar:	front

Brakes

Brake circuits:	2, diagonal
Brakes front, diameter (mm):	ventilated disc, 280
Brakes rear, diameter (mm):	disc, 264
ABS:	standard equipment
TC Plus:	standard equipment
ESP:	standard equipment

Weights and dimensions

Length (mm):	4288
Width (mm):	1709
Height (mm):	1510
Wheelbase (mm):	2611
Track front/rear (mm):	1464/1452
Luggage capacity (l) ECIE:	480-1500
Opening luggage compartment to ground (mm):	544
Cargo-area length (mm):	1042-1668
Cargo-area width (mm):	1107
Cargo-area height (mm):	886
Rim width (inch)(mm)/tire size:	6Jx15/195/60 R 15 V
Turning clearance circle/turning circle (m):	10.55/10.35
Steer. wheel turns lock/lock:	3.1
Steering, ratio:	electr.-hydr. power steering, 17
Steering wheel outside diameter (mm):	380
Kerb weight/max. allowable weight/additional load (kg):	1298/1810/512
Power to weight ratio (kg/kW; kg/hp)(empty):	12.0; 8.8
Max. axle load front/rear (kg):	935/885
Trailer load braked/unbraked (kg):	1400/630
Trailer hook weight/roof load (kg):	75/100
Fuel tank capacity (l), location:	52, under rear seats

Performance

Top speed (km/h)*:	208
Acceleration 0-100 km/h (sec)*:	9.3
Acc. 80-120 km/h in 5th gear (sec)*:	12.5
Pass-by noise (dBA):	74
Fuel:	unleaded premium
Fuel consumption (liter/100 km):	Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO ₂ values. urban: 11.7 extra-urban: 6.1 total: 8.2
CO ₂ emission (g/km):	196
Emission class:	Euro 4

Maintenance

Service intervals:	Service check: every 30,000 km or once a year
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* Basic model
* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany

Model year: 2003 ½
Date: 03/2003

Engine data

Engine: 2.2 ECOTEC
Engine, location: front, transverse in front of axle, 10° backward inclined
Cooling system: with liquid, sealed circuit
Cylinders, number: 4
Bore (mm): 86
Stroke (mm): 94.6
Displacement (cc): 2198
Compression ratio: 10:1
Engine, type: in line; 5 main bearings
Cylinder block/head, material: aluminum/aluminum
Camshaft(s), location: 2 overhead (DOHC), driven by chain
Valve train: roller rocker with hydraulic bucket tappets
Valve, arrangement: v; 4 per cylinder
Fuel system: sequential multi point fuel injection
Ignition system: electr. ignition map, ignition coil direct to spark plug
Fuel pump: electric, in tank
Emission control system: 3-way cat. conv. with 2 oxygen sensors
Output (kW/hp CEE at 1/min): 108/147 at 5800
Specific power (kW/l; hp/l): 49.1; 66.9
Max. torque (Nm at 1/min): 203 at 4000
Specific torque (Nm/liter): 92.4
Mean effective pressure at max. power/max. torque (kPa): 1016.6/1161.1
Average piston speed (m/s): 18.3
Engine oil, capacity (l): 5
Cooling capacity (l): 6.9
Battery 12 V, capacity (Ah): 66
Alternator 14.2 V, capacity (W): 1420

Transmission

Drive axle: front wheel drive
Transmission, type: automatic + lock-up
Gear ratios: 1st ratio: 3.67 2nd ratio: 2.10 3rd ratio: 1.39
4th ratio: 1.00
reverse ratio: 4.02 final drive ratio: 2.81
torque converter

Clutch, type:

Body

Seats: 5
Drag coefficient (c_d): 0.28*
Frontal area (A in m²): 2.06
Index (c_wxA): 0.59*

Chassis

Wheel suspension front: independent, McPherson struts, wishbone on closed subframe
Wheel suspension rear: compound torsion beam axle, coil springs, gas-filled shock absorbers
Anti roll bar: front

Brakes

Brake circuits: 2, diagonal
Brakes front, diameter (mm): ventilated disc, 280
Brakes rear, diameter (mm): disc, 264
ABS: standard equipment
TC Plus: standard equipment
ESP: standard equipment

Weights and dimensions

Length (mm): 4288
Width (mm): 1709
Height (mm): 1510
Wheelbase (mm): 2611
Track front/rear (mm): 1464/1452
Luggage capacity (l) ECIE: 480-1500
Opening luggage compartment to ground (mm): 544
Cargo-area length (mm): 1042-1668
Cargo-area width (mm): 1107
Cargo-area height (mm): 886
Rim width (inch)(mm)/tire size: 6Jx15/195/60 R 15 V
Turning clearance circle/turning circle (m): 10.55/10.35
Steer. wheel turns lock/lock: 3.1
Steering, ratio: electr.-hydr. power steering, 17
Steering wheel outside diameter (mm): 380
Kerb weight/max. allowable weight/additional load (kg): 1318/1830/512
Power to weight ratio (kg/kW; kg/hp)(empty): 12.2; 9.0
Max. axle load front/rear (kg): 955/885
Trailer load braked/unbraked (kg): 1400/630
Trailer hook weight/roof load (kg): 75/100
Fuel tank capacity (l), location: 52, under rear seats

Performance

Top speed (km/h)*: 202
Acceleration 0-100 km/h (sec)*: 10.5
Pass-by noise (dBA): 73
Fuel: unleaded premium
Fuel consumption (liter/100 km): Measured according to EU guideline 99/100/EU. Additional equipment can lead to increased consumption and CO₂ values.
urban: 11.8
extra-urban: 6.7
total: 8.6
CO₂ emission (g/km): 206
Emission class: Euro 4

Maintenance

Service intervals: Service check: every 30,000 km or once a year

* Basic model
* Kerb weight (70156 EEC) and 125 kg payload
Specifications may differ outside Germany



Some illustrations in this brochure contain special equipment not included in standard delivery. The information contained in this brochure was accurate at the time of publishing. We reserve the right to make changes in design and equipment. The colours printed in the brochure only approximate actual colours. Illustrated optional equipment is available at extra charge. For precise information on the equipment provided on our vehicles, please contact your local Opel dealer.

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